

Annex 1: Measurement diagrams 18-1-0173201T49a-C2-A1

Number of pages:	39	Date of Report:	2020-Dec-21
Testing company:	CETECOM GmbH Im Teelbruch 116 45219 Essen Germany Tel. + 49 (0) 20 54 / 95 19-0 Fax: + 49 (0) 20 54 / 95 19-150	Applicant:	Actia Nordic AB
Test Object / Tested Device(s):	Telematics Device / 103250101		
FCC ID:	2AGKK103250101		
Testing has been carried out in accordance with:	Title 47 CFR, Chapter I FCC Regulations, Subchapter B Part 22 Subpart H, Part 24 Subpart E, Part 27 Subpart C RSS-130 Issue 2, RSS-132 Issue 5, RSS-133 Issue 6, RSS-139 Issue 3 RSS Gen Issue 5 Deviations, modifications or clarifications (if any) to above mentioned documents are written in each section under "Test method and limit".		



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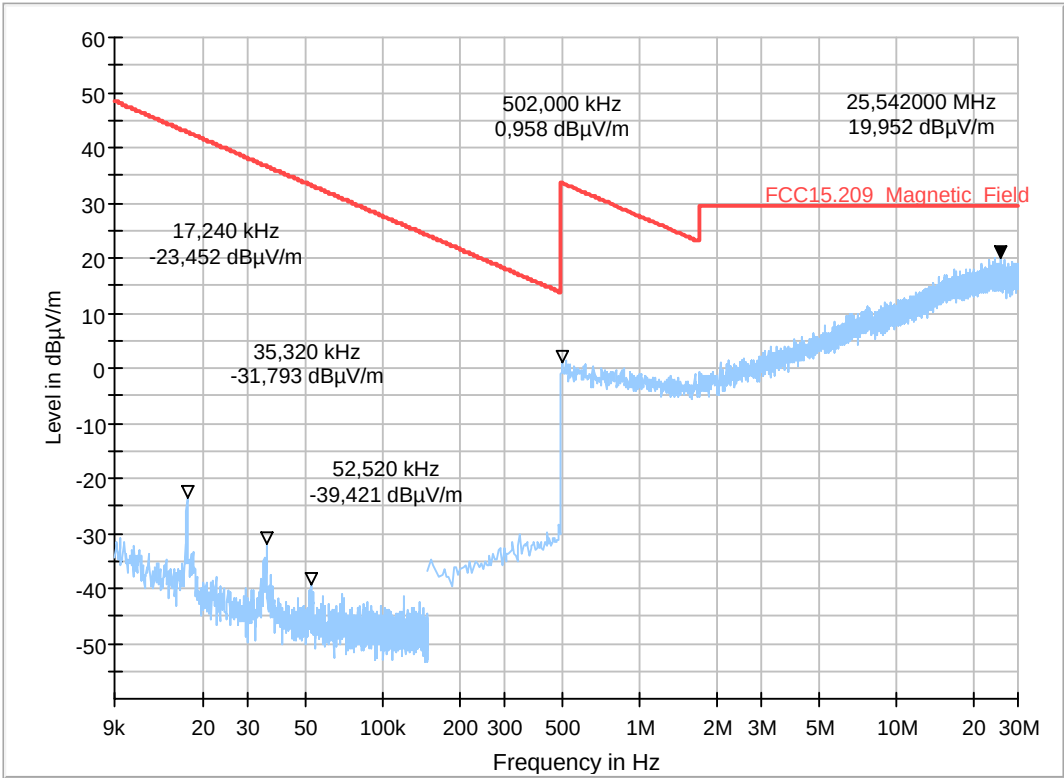
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1 Measurement diagrams

2.01_Magnetic_Emission_EUT_laying

Common information	
Test Description	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site	SAC1
Test Standard	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operation Mode	1
Environmental Conditions	Humidity : 50% rH; Temperature: 20 °C
Operator	TFra
Verdict	Passed
Comment	EUT Elevation: 0°(Laying)
EUT information	
PMT sample No	18-1-01732S32_C01

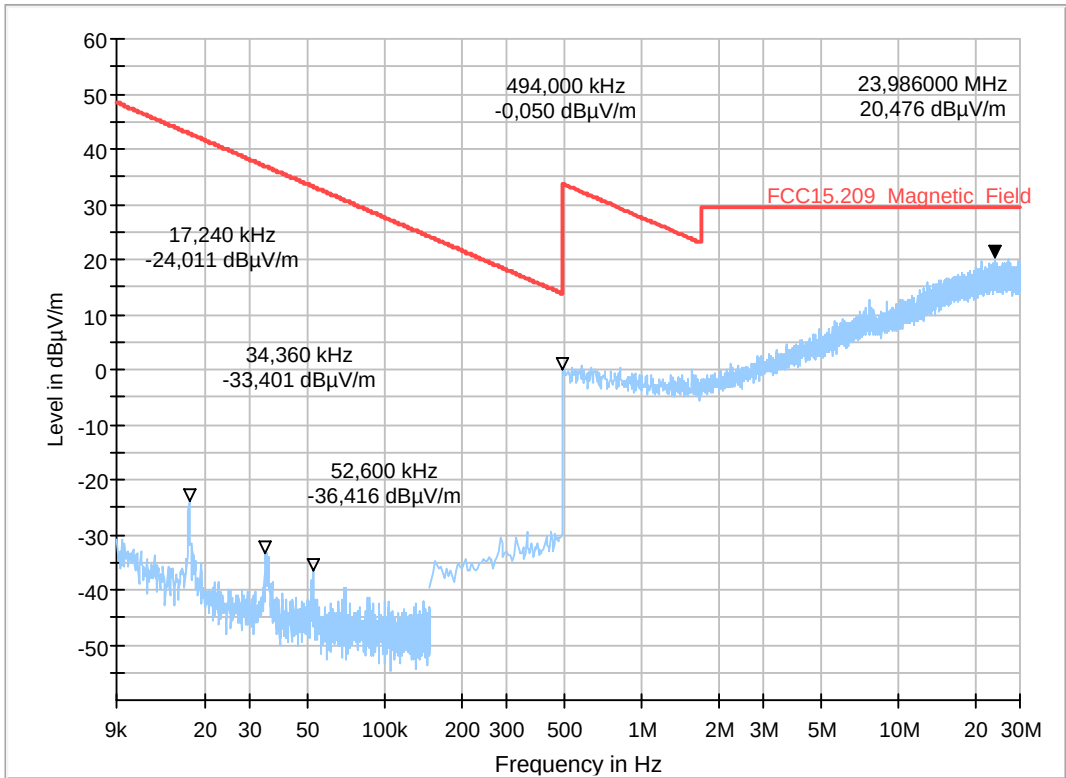
Full Spectrum



2.02_Magnetic_Emission_EUT_standing

Common information	
Test Description	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site	SAC1
Test Standard	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operation Mode	1
Environmental Conditions	Humidity : 50% rH; Temperature: 20 °C
Operator	TFra
Verdict	Passed
Comment	EUT Elevation: 90°(Standing)
EUT information	
PMT sample No	18-1-01732S32_C01

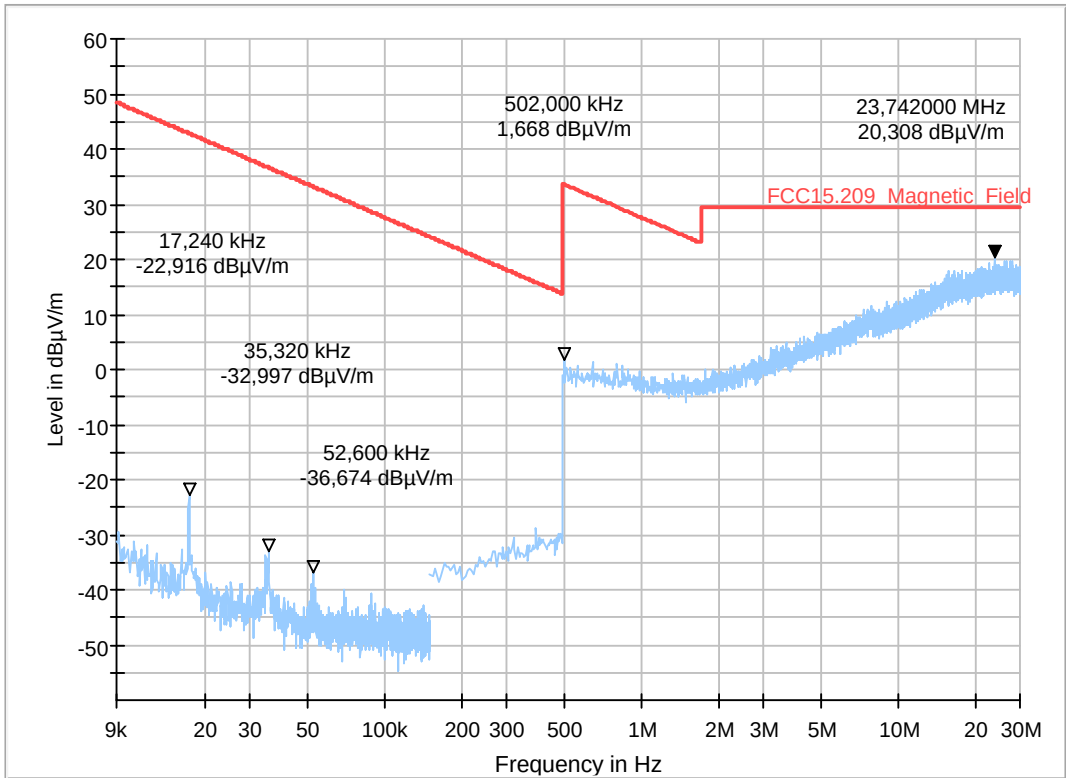
Full Spectrum



2.03_Magnetic_Emission_EUT_laying

Common information	
Test Description	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site	SAC1
Test Standard	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operation Mode	2
Environmental Conditions	Humidity : 50% rH; Temperature: 20 °C
Operator	TFra
Verdict	Passed
Comment	EUT Elevation: 0°(Laying)
EUT information	
PMT sample No	18-1-01732S32_C01

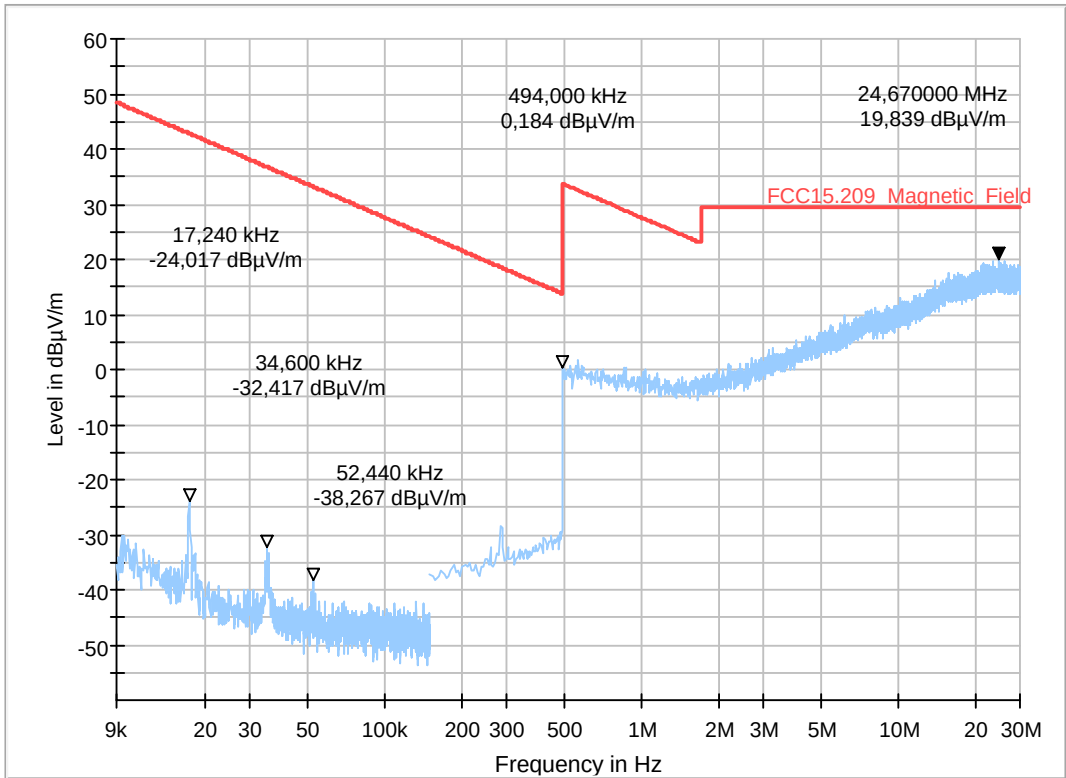
Full Spectrum



2.04_Magnetic_Emission_EUT_standing

Common information	
Test Description	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site	SAC1
Test Standard	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operation Mode	2
Environmental Conditions	Humidity : 50% rH; Temperature: 20 °C
Operator	TFra
Verdict	Passed
Comment	EUT Elevation: 90°(Standing)
EUT information	
PMT sample No	18-1-01732S32_C01

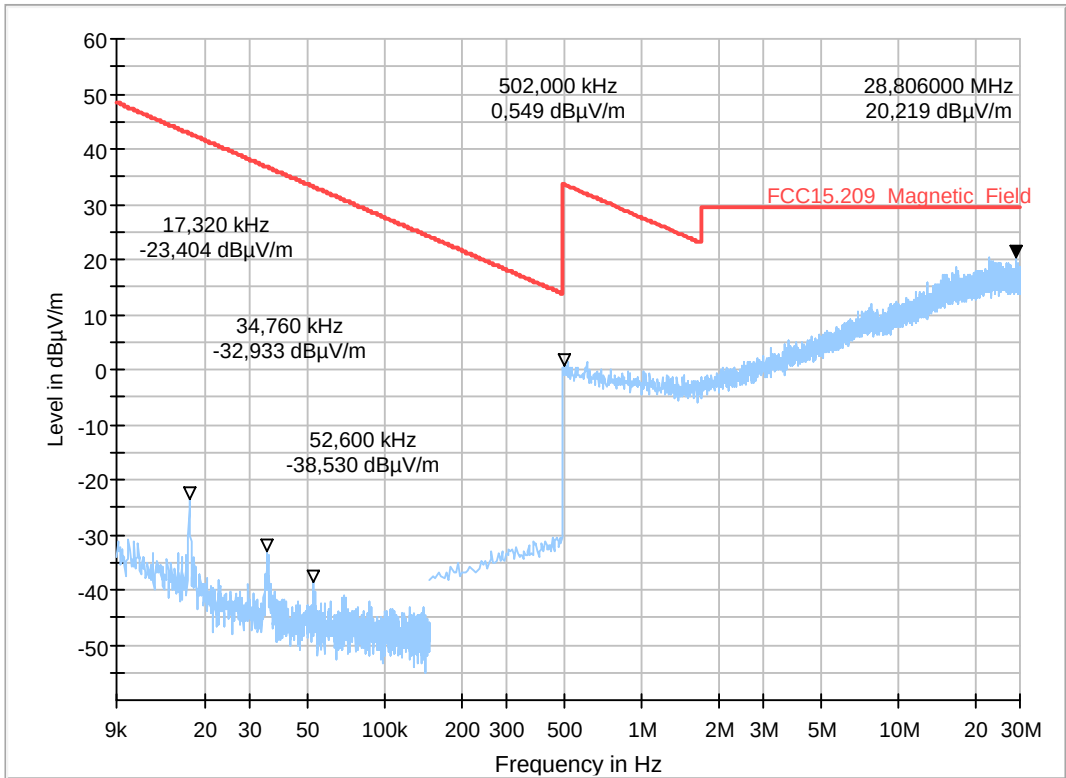
Full Spectrum



2.05_Magnetic_Emission_EUT_laying

Common information	
Test Description	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site	SAC1
Test Standard	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operation Mode	3
Environmental Conditions	Humidity : 50% rH; Temperature: 20 °C
Operator	TFra
Verdict	Passed
Comment	EUT Elevation: 0°(Laying)
EUT information	
PMT sample No	18-1-01732S32_C01

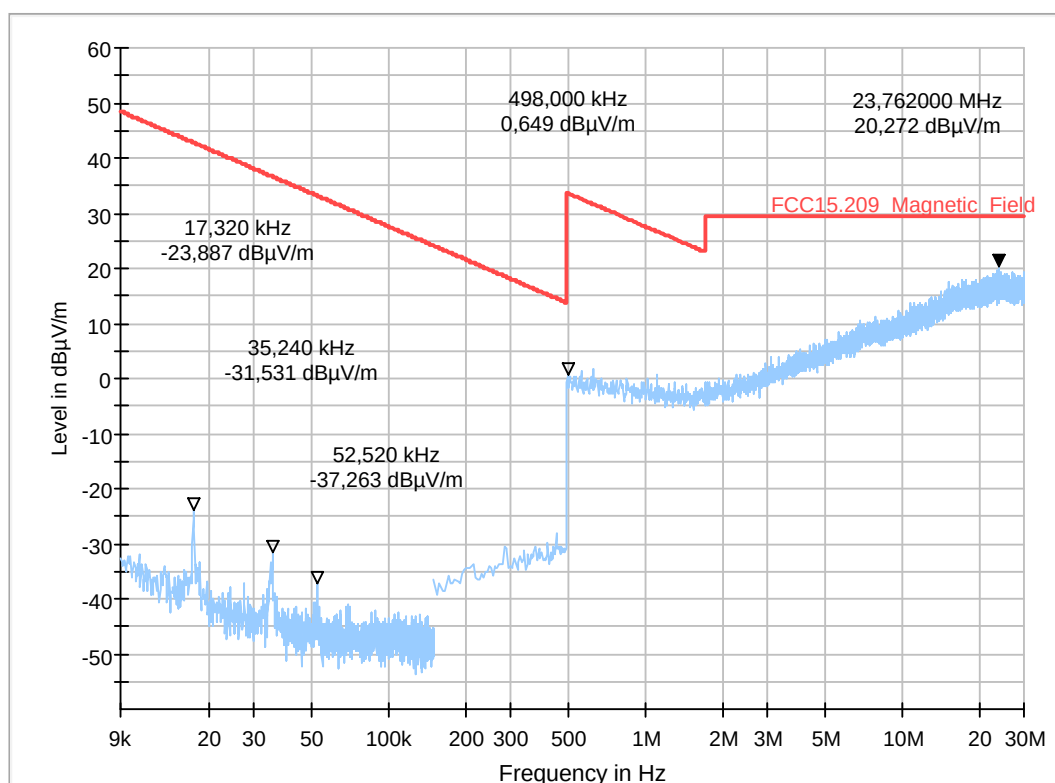
Full Spectrum



2.06_Magnetic_Emission_EUT_standing

Common information	
Test Description	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site	SAC1
Test Standard	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operation Mode	3
Environmental Conditions	Humidity : 50% rH; Temperature: 20 °C
Operator	TFra
Verdict	Passed
Comment	EUT Elevation: 90°(Standing)
EUT information	
PMT sample No	18-1-01732S32_C01

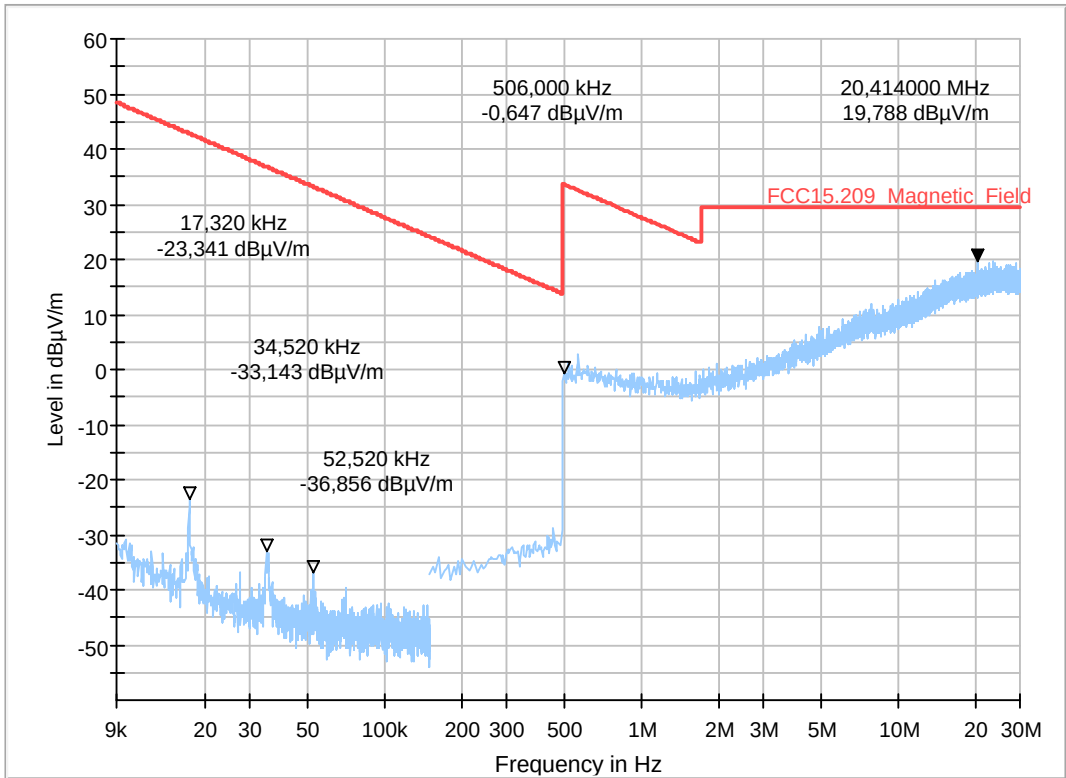
Full Spectrum



2.07_Magnetic_Emission_EUT_laying

Common information	
Test Description	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site	SAC1
Test Standard	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operation Mode	4
Environmental Conditions	Humidity : 50% rH; Temperature: 20 °C
Operator	TFra
Verdict	Passed
Comment	EUT Elevation: 0°(Laying)
EUT information	
PMT sample No	18-1-01732S32_C01

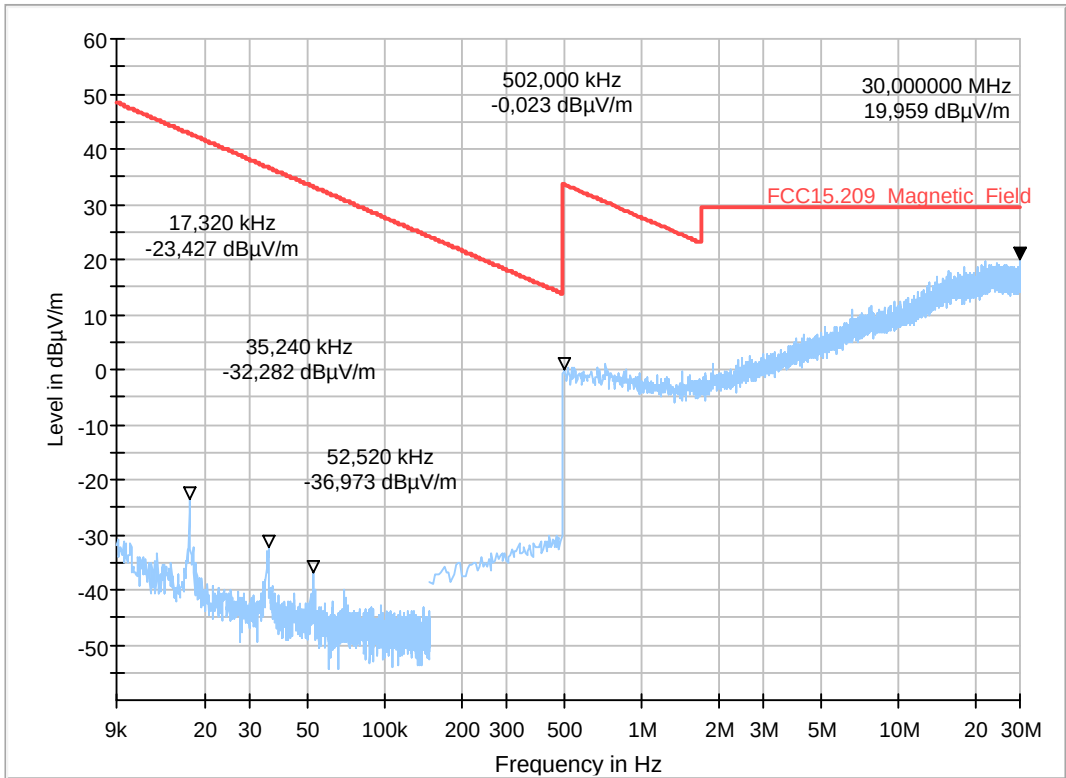
Full Spectrum



2.08_Magnetic_Emission_EUT_standing

Common information	
Test Description	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site	SAC1
Test Standard	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operation Mode	4
Environmental Conditions	Humidity : 50% rH; Temperature: 20 °C
Operator	TFra
Verdict	Passed
Comment	EUT Elevation: 90°(Standing)
EUT information	
PMT sample No	18-1-01732S32_C01

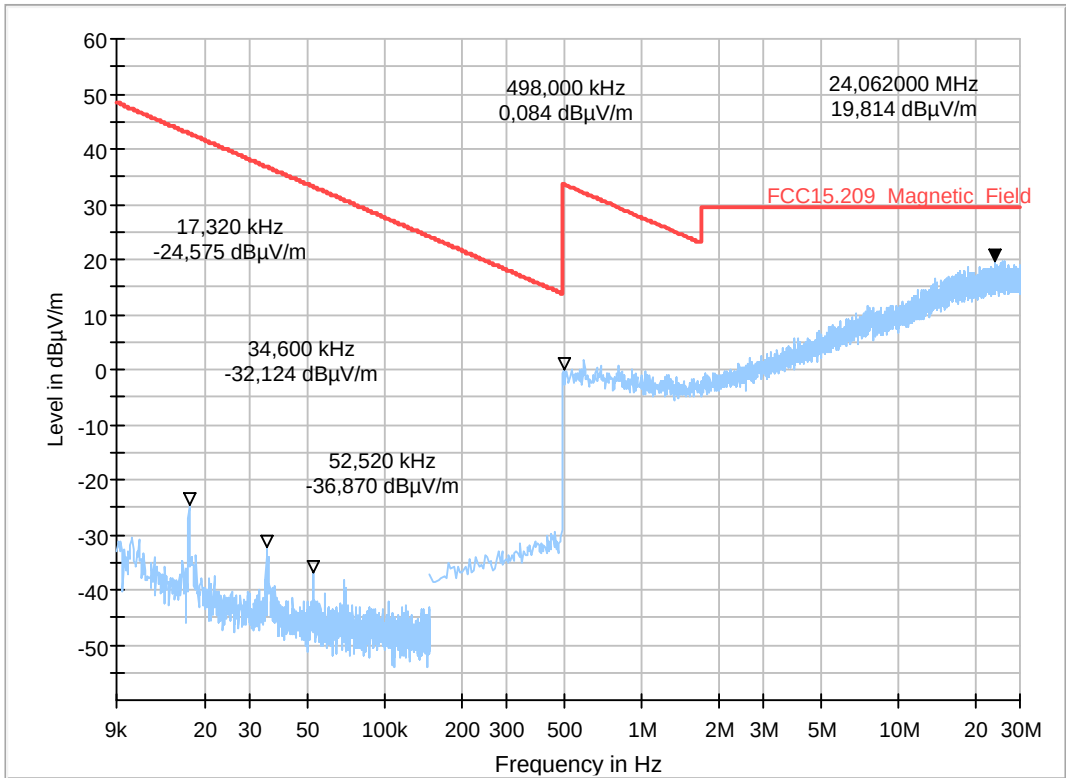
Full Spectrum



2.09_Magnetic_Emission_EUT_laying

Common information	
Test Description	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site	SAC1
Test Standard	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operation Mode	5
Environmental Conditions	Humidity : 50% rH; Temperature: 20 °C
Operator	TFra
Verdict	Passed
Comment	EUT Elevation: 0°(Laying)
EUT information	
PMT sample No	18-1-01732S32_C01

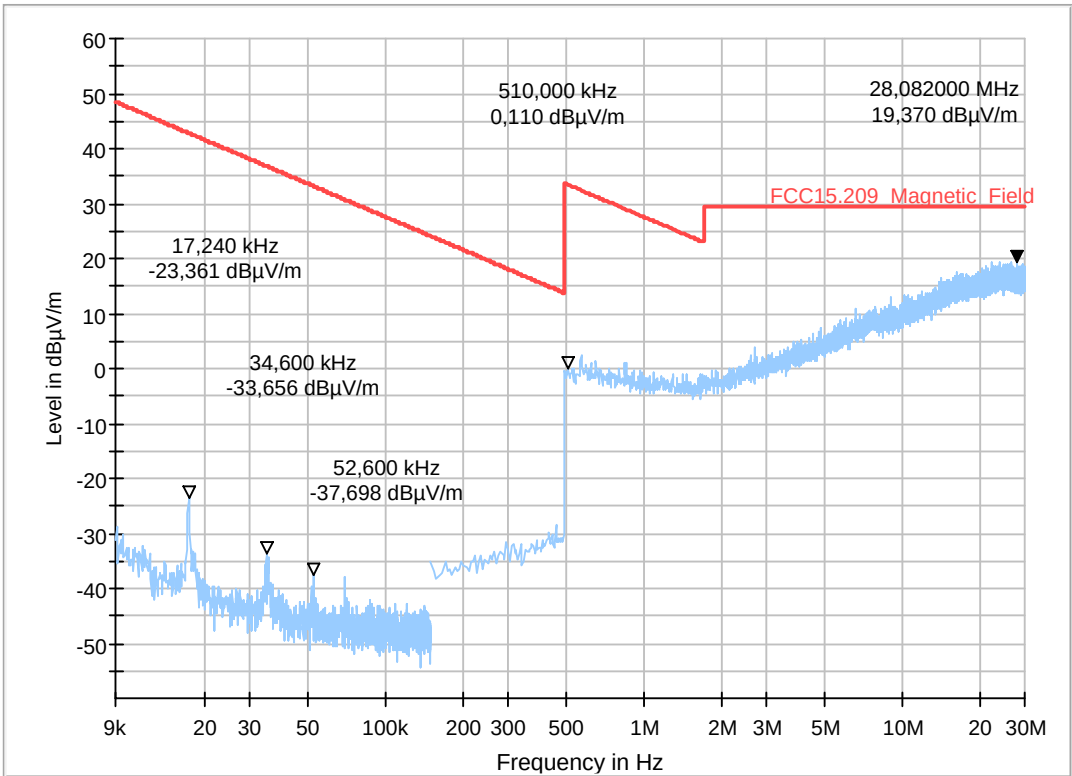
Full Spectrum



2.10_Magnetic_Emission_EUT_standing

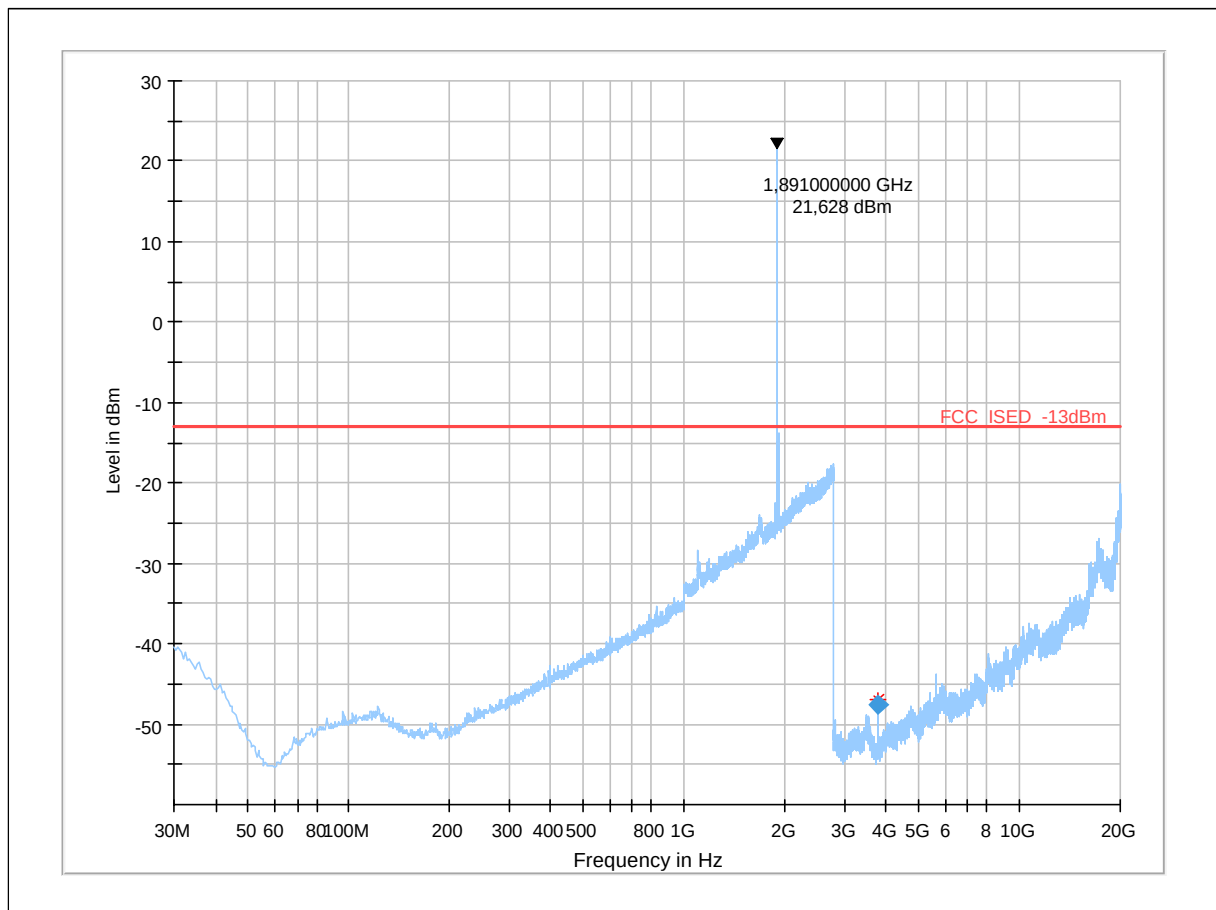
Common information	
Test Description	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site	SAC1
Test Standard	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operation Mode	5
Environmental Conditions	Humidity : 50% rH; Temperature: 20 °C
Operator	TFra
Verdict	Passed
Comment	EUT Elevation: 90°(Standing)
EUT information	
PMT sample No	18-1-01732S32_C01

Full Spectrum



8.01_Traffic_mode_LTE_FDD_Band_2_channel_19100

Common information	
Test Description	Radiated Spurious Emissions
Test Site Location	CETECOM GmbH Essen
Test Site	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Operation Mode	1
Environmental Conditions	Humidity : 55% rH; Temperature: 20 °C
Operator	TFra
Verdict	PASSED
Test Completed	14.09.2020 16:57:46
EUT information	
PMT sample No	18-1-01732S32_C01



Remarks:

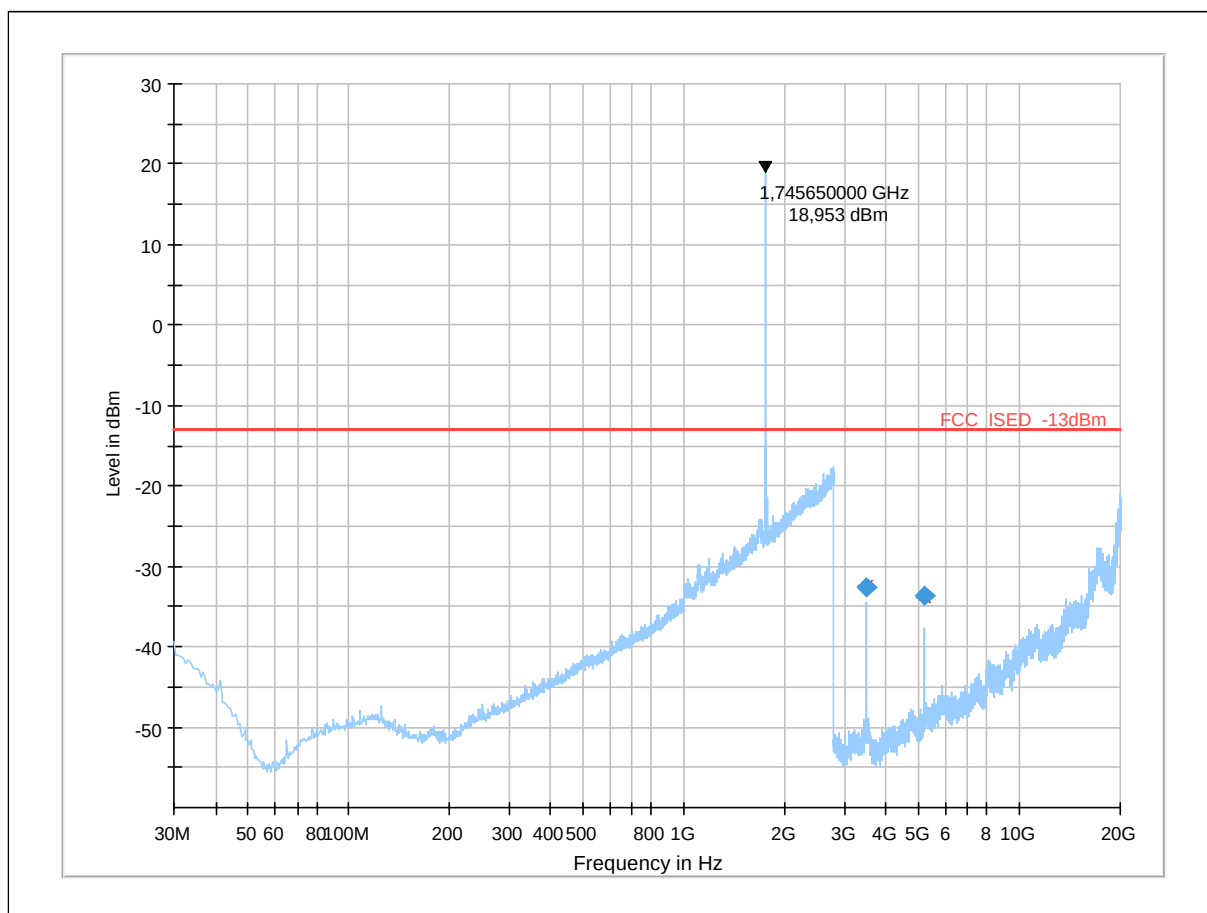
- Emission at 1.891000000 GHz is Uplink Frequency of LTE Band 2, not related to Results.

RMS

Frequency [MHz]	RMS [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Elevation [deg]	Results
3782,193	-47,6	-13	34,6	155	H	327	90	PASSED

8.02_Traffic_mode_LTE_FDD_Band_4_channel_20350

Common information	
Test Description	Radiated Spurious Emissions
Test Site Location	CETECOM GmbH Essen
Test Site	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Operation Mode	2
Environmental Conditions	Humidity : 55% rH; Temperature: 20 °C
Operator	TFra
Verdict	PASSED
Test Completed	14.09.2020 18:18:04
EUT information	
PMT sample No	18-1-01732S32_C01



Remarks:

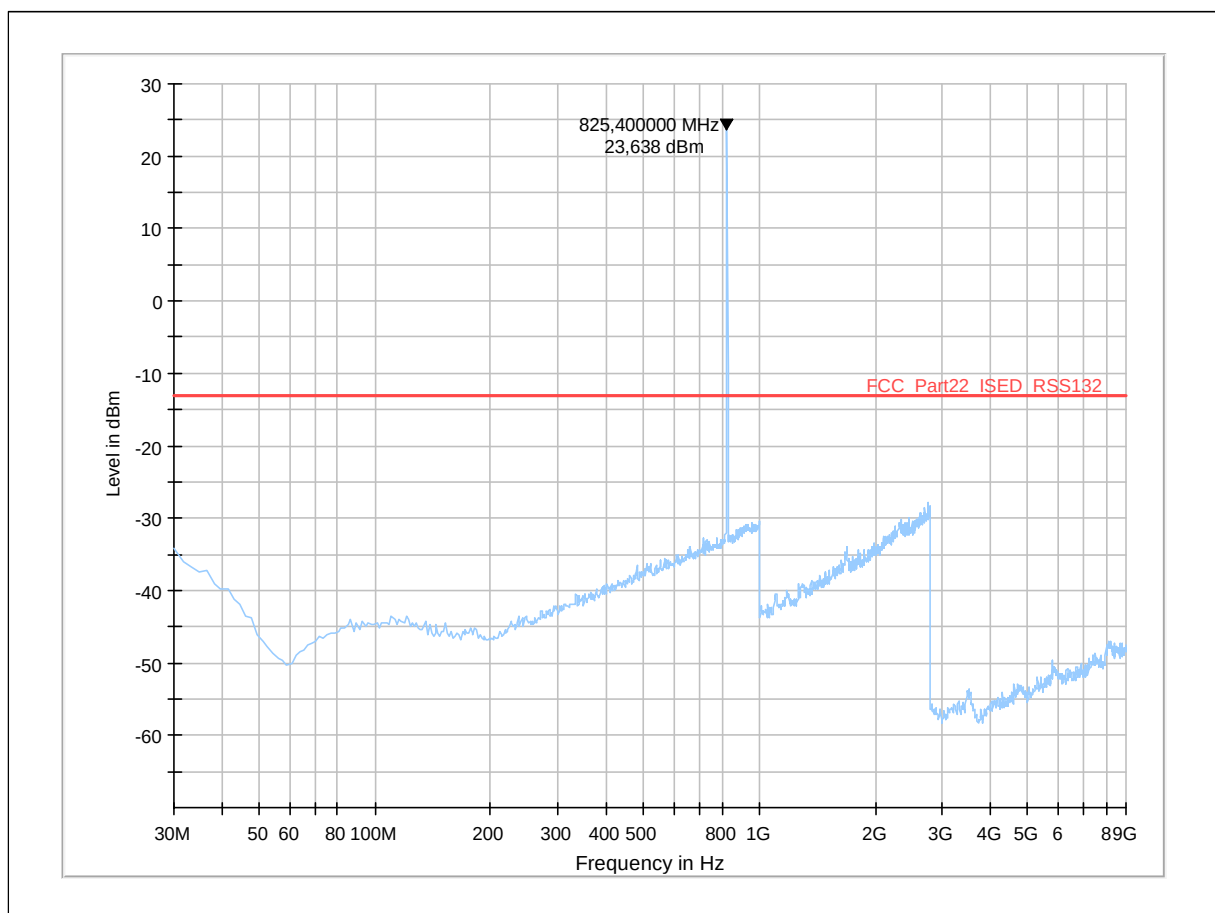
- Emission at 1.745650000 GHz is Uplink Frequency of LTE Band 4, not related to Results.

RMS

Frequency [MHz]	RMS [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Elevation [deg]	Results
3491.188	-32.57	-13	19.57	155	H	332	0	PASSED
5236.797	-33.64	-13	20.64	155	H	16	0	PASSED

8.03_Traffic_mode_LTE_FDD_Band_5_channel_20415

Common information	
Test Description	Radiated Spurious Emissions
Test Site Location	CETECOM GmbH Essen
Test Site	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Operation Mode	3
Environmental Conditions	Humidity : 61% rH; Temperature: 21 °C
Operator	TFra
Verdict	PASSED
Test Completed	14.09.2020 18:58:31
EUT information	
PMT sample No	18-1-01732S32_C01

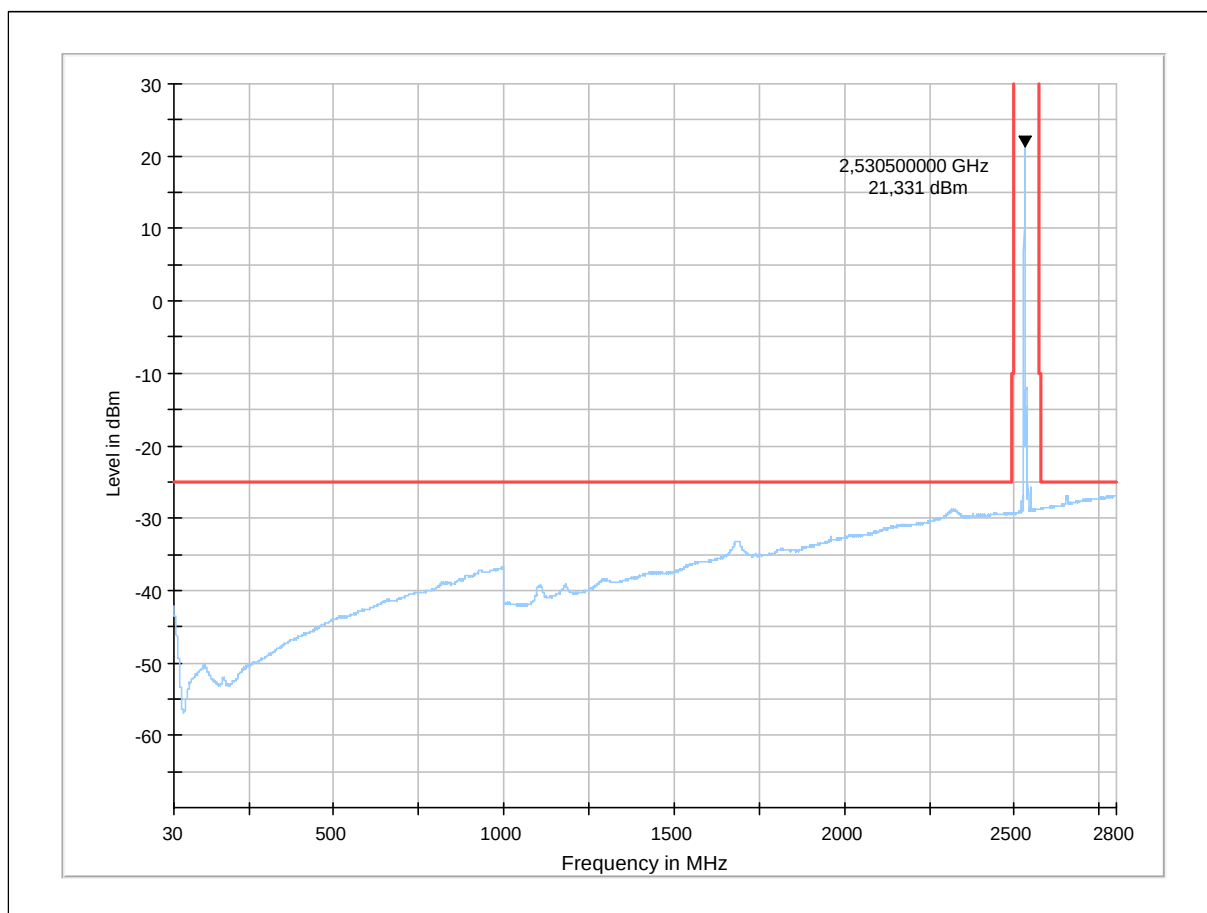


Remarks:

- Emission at 825.400000 MHz is Uplink Frequency of LTE Band 5, not related to Results.

8.04a_Traffic_mode_LTE_FDD_Band_7_channel_21100_sweep1

Common information	
Test Description	Radiated Spurious Emissions
Test Site Location	CETECOM GmbH Essen
Test Site	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Operation Mode	4
Environmental Conditions	Humidity : 55% rH; Temperature: 20 °C
Operator	TFra
Verdict	PASSED
Test Completed	15.09.2020 18:47:22
EUT information	
PMT sample No	18-1-01732S32_C01

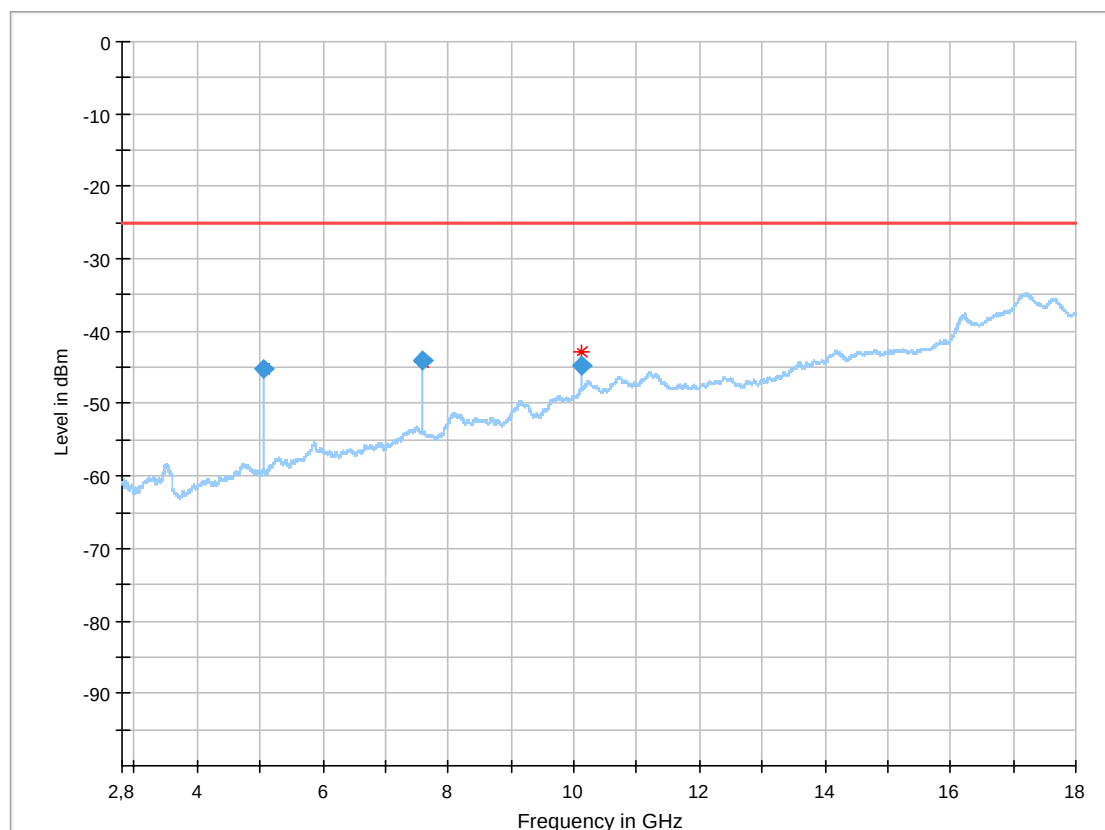


Remarks:

- Emission at 2.530500000 GHz is Uplink Frequency of LTE Band 7, not related to Results.

8.04b_Traffic_mode_LTE_FDD_Band_7_channel_21100_sweep2

Common information	
Test Description	Radiated Spurious Emissions
Test Site Location	CETECOM GmbH Essen
Test Site	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Operation Mode	4
Environmental Conditions	Humidity : 55% rH; Temperature: 20 °C
Operator	TFra
Verdict	PASSED
Test Completed	15.09.2020 18:47:22
EUT information	
PMT sample No	18-1-01732S32_C01

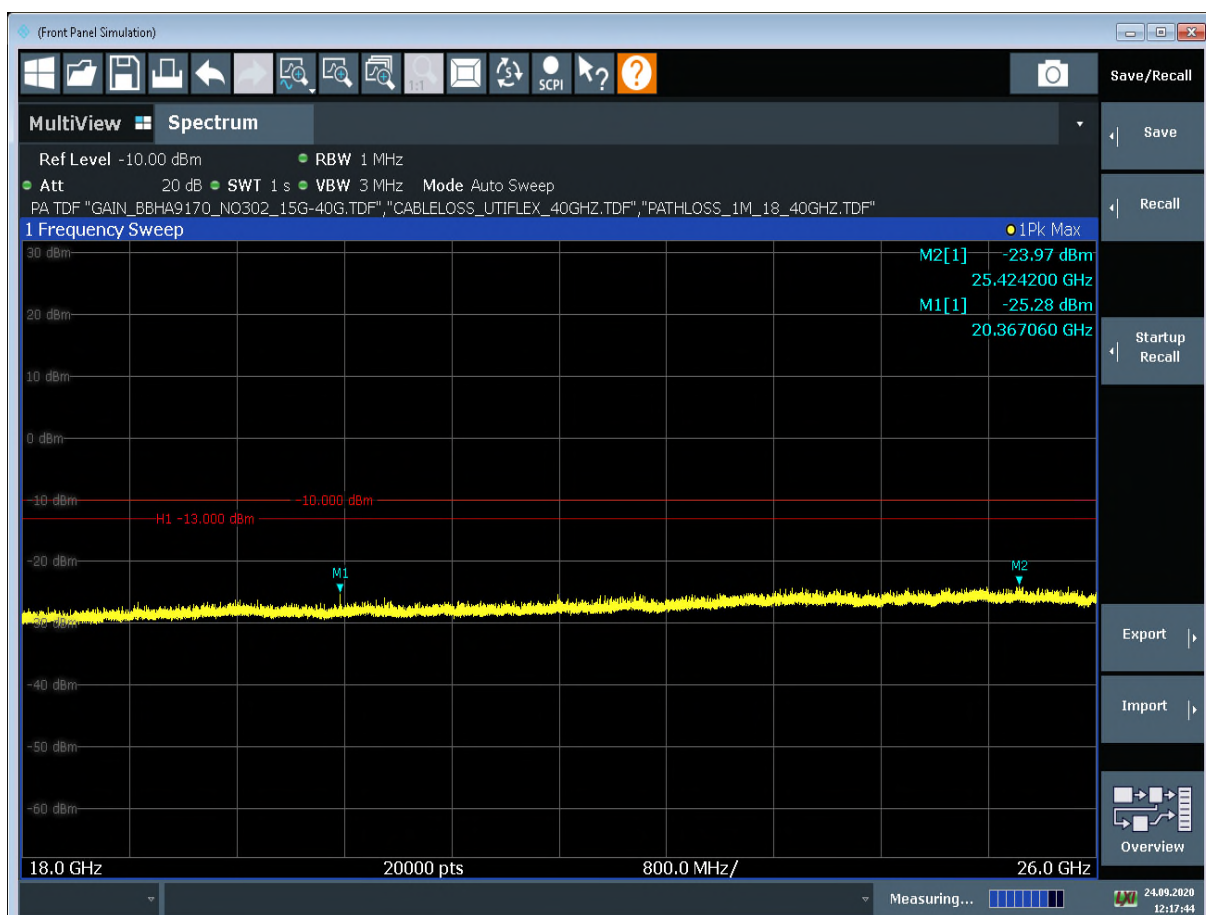


RMS

Frequency [MHz]	RMS [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Elevation [deg]	Results
5061.18	-45.16	-25	20.16	155	H	188	90	PASSED
7591.84	-44.12	-25	19.12	155	V	222	90	PASSED
10122.28	-44.84	-25	19.84	155	H	230	90	PASSED

8.04c_Traffic_mode_LTE_FDD_Band_7_channel_21100_sweep3

Common information	
Test Description	Radiated Spurious Emissions
Test Site Location	CETECOM GmbH Essen
Test Site	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Operation Mode	4
Environmental Conditions	Humidity : 55% rH; Temperature: 22 °C
Operator	Aho
Verdict	PASSED
Test Completed	24.09.2020 12:17:44
EUT information	
PMT sample No	18-1-01732S32_C01

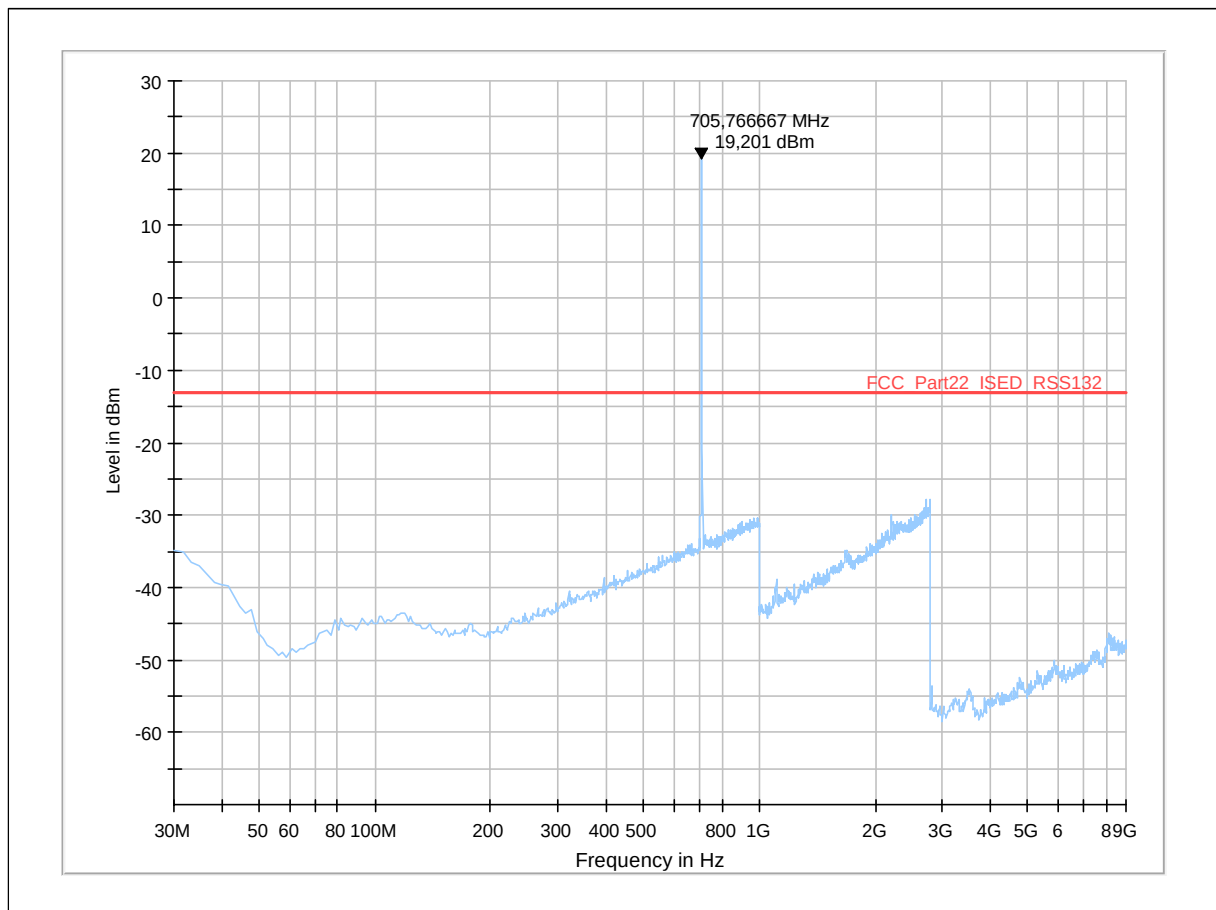


Remarks:

- There is no critical frequency found in the Frequency range 18 to 26 GHz

8.05_Traffic_mode_LTE_FDD_Band_12_channel_23095

Common information	
Test Description	Radiated Spurious Emissions
Test Site Location	CETECOM GmbH Essen
Test Site	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Operation Mode	5
Environmental Conditions	Humidity : 61% rH; Temperature: 21 °C
Operator	TFa
Verdict	PASSED
Test Completed	14.09.2020 19:47:28
EUT information	
PMT sample No	18-1-01732S32_C01



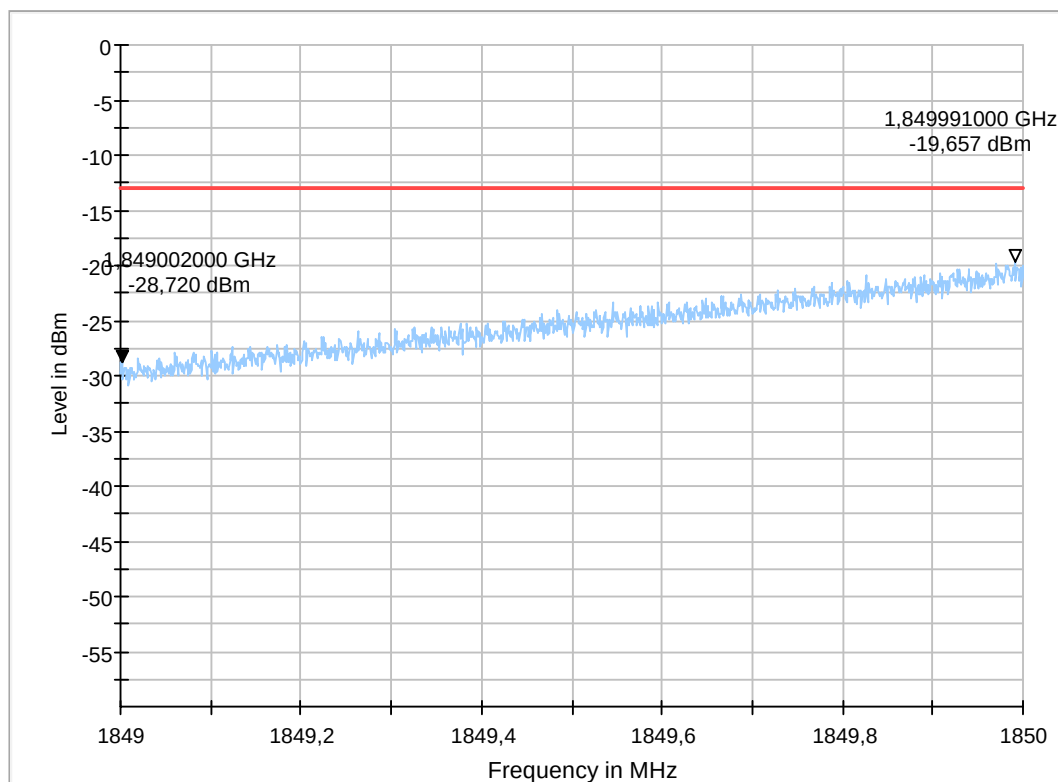
Remarks:

- Emission at 705.766667 MHz is Uplink Frequency of LTE Band 12, not related to Results.

9.201_Band-Edge_LTE Band_2_Channel_low_18700_UL_1860 MHz

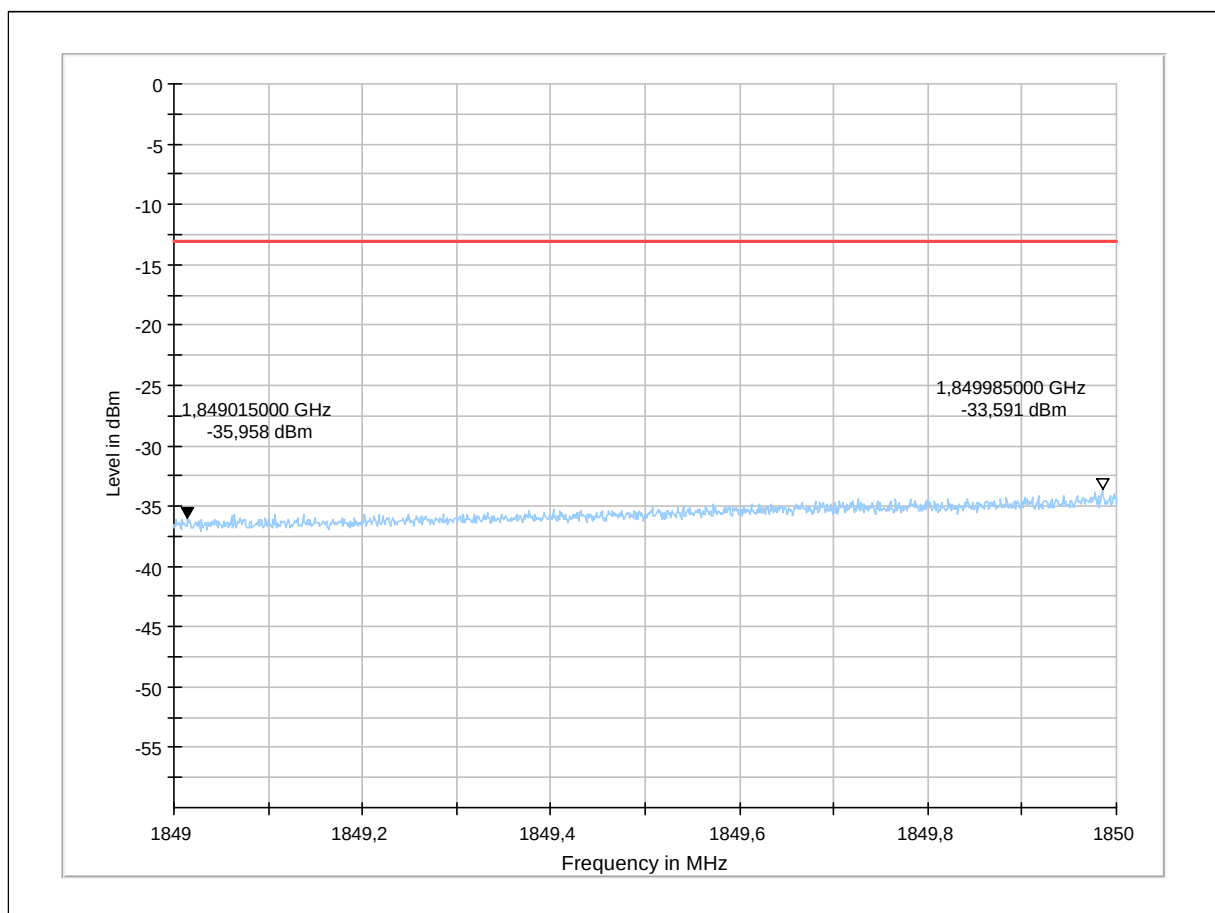
Common information	
Test Description	Band-Edge radiated_low_channel_18700_UL_1860MHz
Test Site Location	CETECOM GmbH Essen
Test Site	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Operation Mode	LTE_FDD_Band_2_channel_18700_RB_1_start RB_low_BW_20MHz_mod_QPSK
Environmental Conditions	Humidity : 61% rH; Temperature: 21 °C
Operator	TFa
Verdict	PASSED
Test Completed	14.09.2020 20:14:17
EUT information	
PMT sample No	18-1-01732532_C01

Full Spectrum



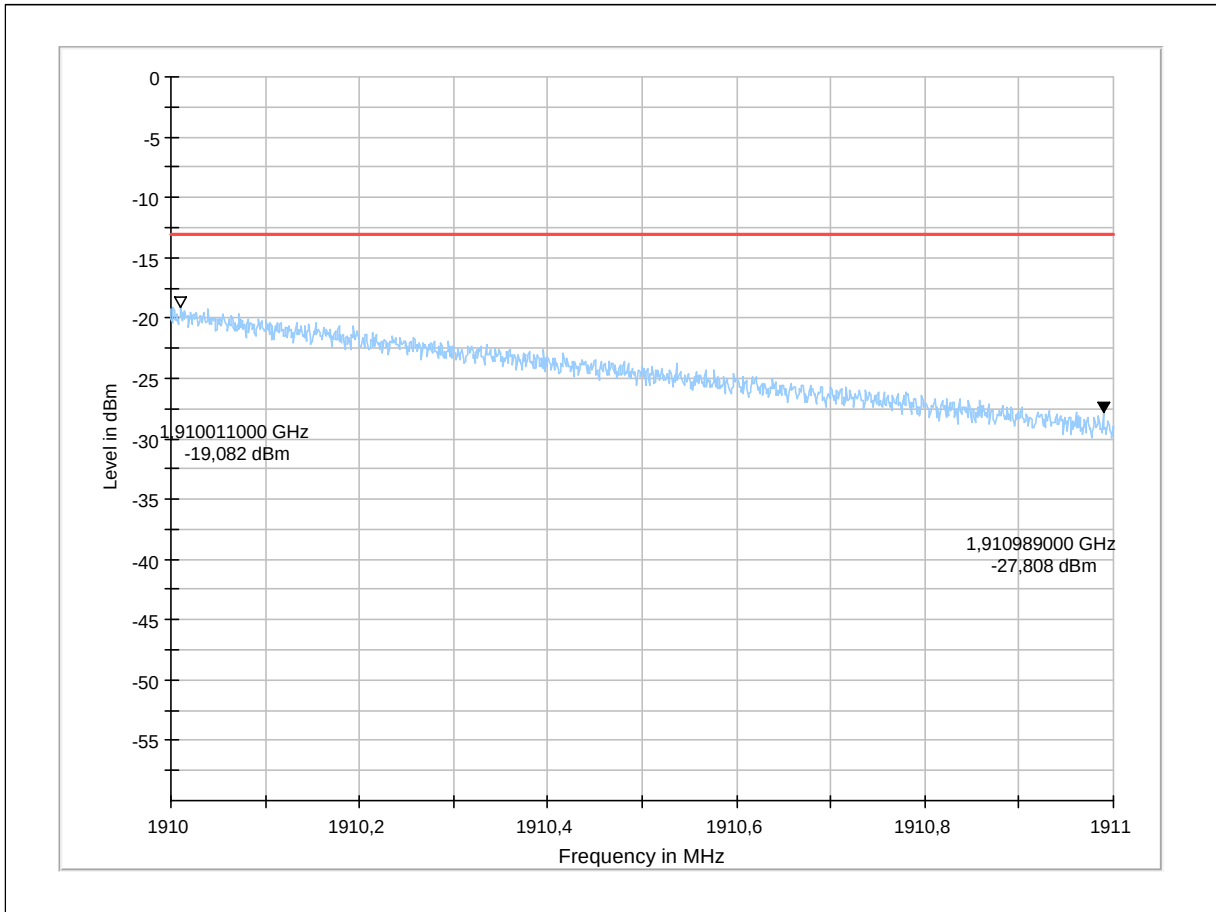
9.202_Band-Edge_LTE Band_2_Channel_low_18700_UL_1860 MHz

Common information	
Test Description	Band-Edge low - Radiated Spurious Emissions LTE Band 2
Test Site Location	CETECOM GmbH Essen
Test Site	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Operation Mode	LTE_FDD_Band_2_channel_18700_RB_100%_BW_20MHz_mod_QPSK
Environmental Conditions	Humidity : 61% rH; Temperature: 21 °C
Operator	TFa
Verdict	PASSED
Test Completed	14.09.2020 20:32:36
EUT information	
PMT sample No	18-1-01732S32_C01



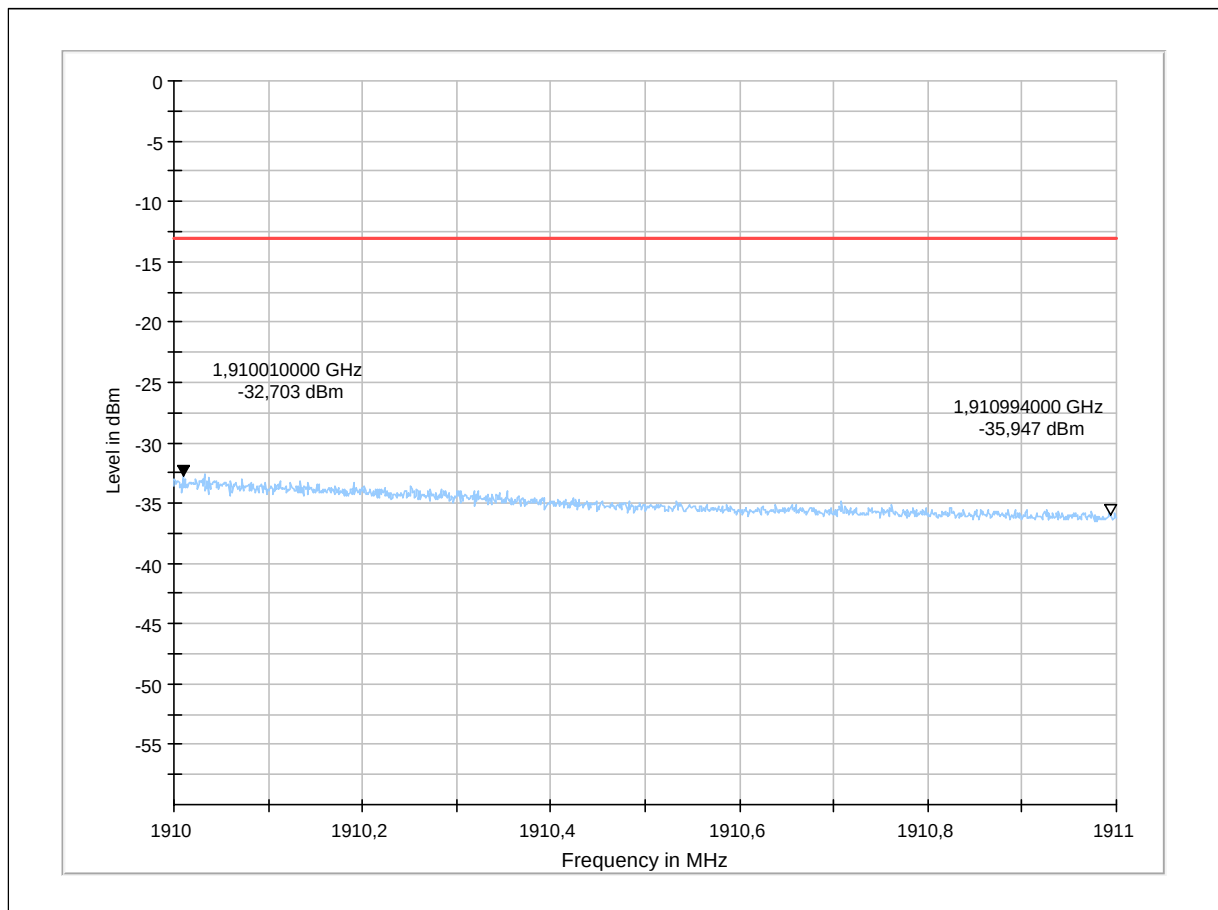
9.203_Band-Edge_LTE Band_2_Channel_high_19100_UL_1900 MHz

Common information	
Test Description	Band-Edge high - Radiated Spurious Emissions LTE Band 2
Test Site Location	CETECOM GmbH Essen
Test Site	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Operation Mode	LTE_FDD_Band_2_channel_19100_RB_1_start RB_high_BW_20MHz_mod_QPSK
Environmental Conditions	Humidity : 61% rH; Temperature: 21 °C
Operator	TFa
Verdict	PASSED
Test Completed	14.09.2020 20:46:40
EUT information	
PMT sample No	18-1-01732S32_C01



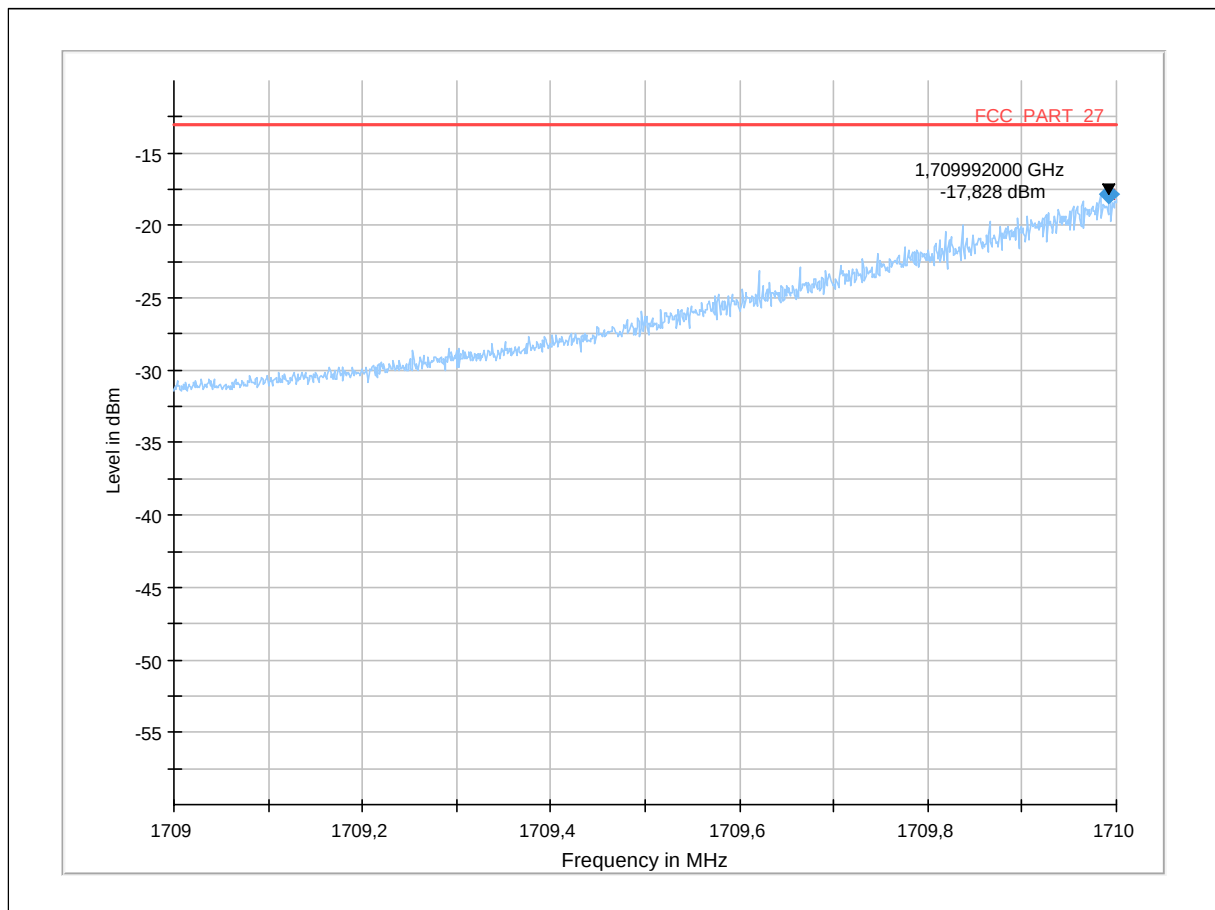
9.204_Band-Edge_LTE Band_2_Channel_high_19100_UL_19090 MHz

Common information	
Test Description	Band-Edge high - Radiated Spurious Emissions LTE Band 2
Test Site Location	CETECOM GmbH Essen
Test Site	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Operation Mode	LTE_FDD_Band_2_channel_19100_RB_100%_BW_20MHz_mod_QPSK
Environmental Conditions	Humidity : 61% rH; Temperature: 21 °C
Operator	TFa
Verdict	PASSED
Test Completed	14.09.2020 20:57:24
EUT information	
PMT sample No	18-1-01732S32_C01



9.401_Band-Edge_LTE Band_4_Channel_low_20000_UL_1715 MHz

Common information	
Test Description	Band-Edge low - Radiated Spurious Emissions LTE Band 4
Test Site Location	CETECOM GmbH Essen
Test Site	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Operation Mode	LTE_FDD_Band_4_channel_20000_RB_1_start_RB_low_BW_10MHz_mod_QPSK
Environmental Conditions	Humidity : 54% rH; Temperature: 20 °C
Operator	Aho
Verdict	PASSED
Test Completed	17.09.2020 13:20:17
EUT information	
PMT sample No	18-1-01732S32_C01

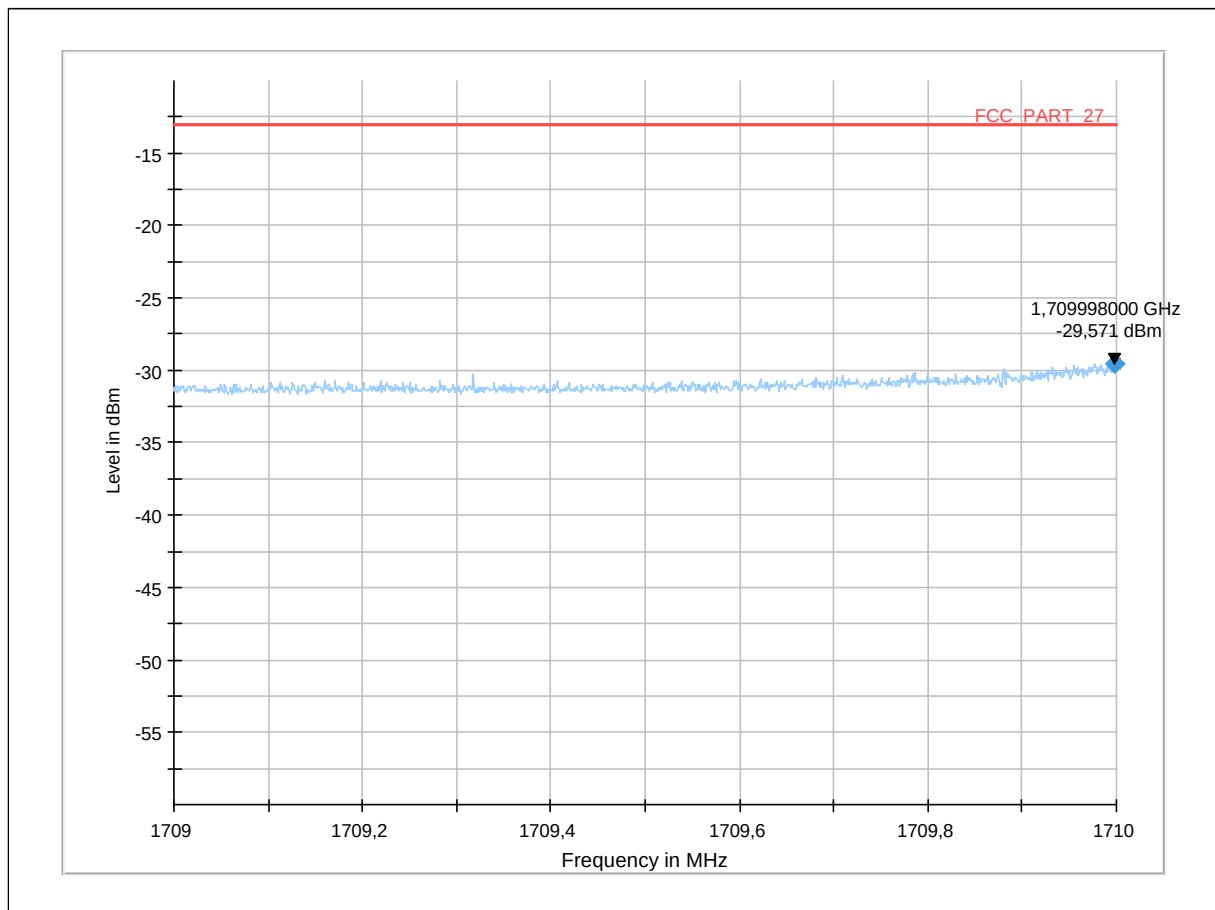


RMS

Frequency [MHz]	RMS [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Elevation [deg]	Results
1709.992	-17.83	-13	4.83	155	H	183	90	PASSED

9.402_Band-Edge_LTE Band_4_Channel_low_20000_UL_1715 MHz

Common information	
Test Description	Band-Edge low - Radiated Spurious Emissions LTE Band 4
Test Site Location	CETECOM GmbH Essen
Test Site	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Operation Mode	LTE_FDD_Band_4_channel_20000_RB_100%_BW_10MHz_mod_QPSK
Environmental Conditions	Humidity : 53% rH; Temperature: 20 °C
Operator	Aho
Verdict	PASSED
Test Completed	17.09.2020 14:13:45
EUT information	
PMT sample No	18-1-01732S32_C01

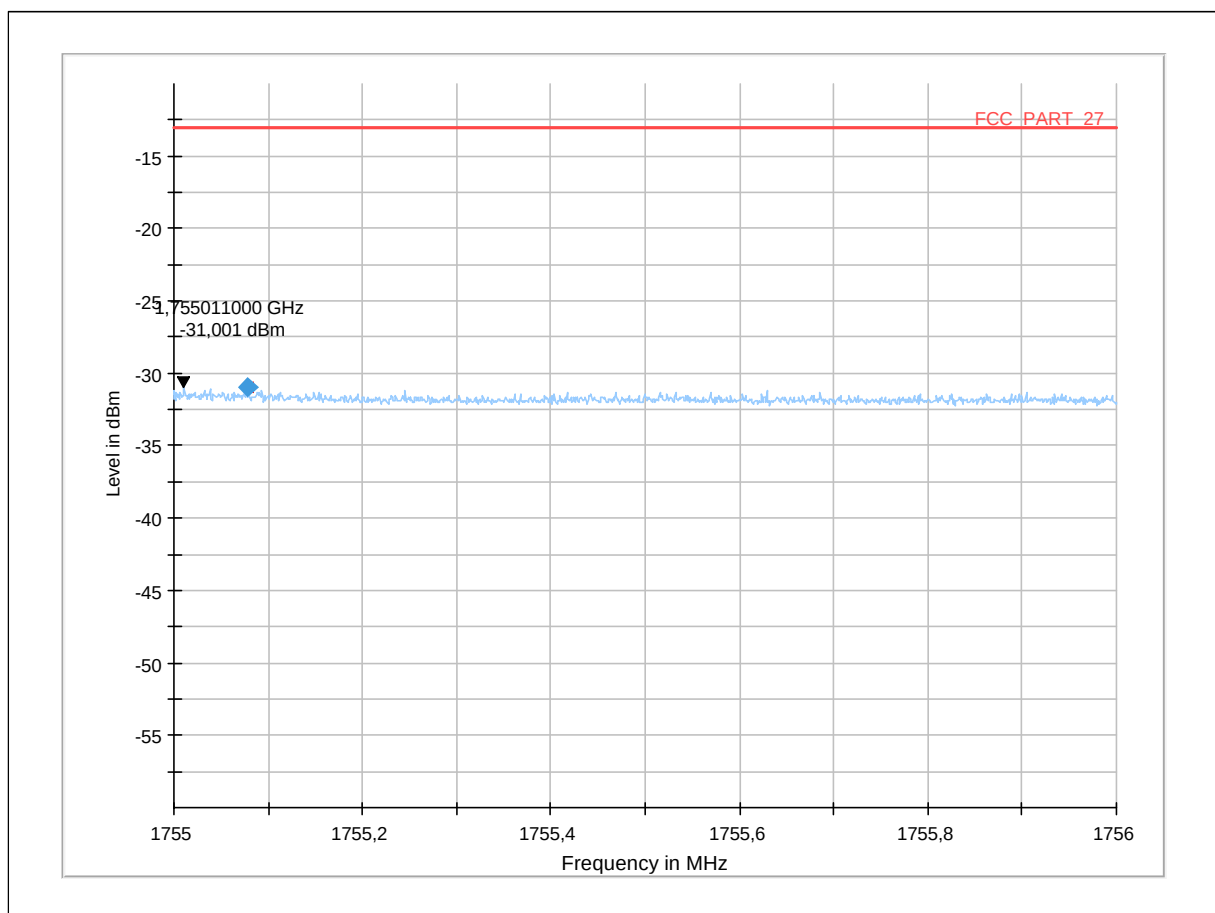


RMS

Frequency [MHz]	RMS [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Elevation [deg]	Results
1709.998	-29.57	-13	16.57	155	H	189	90	PASSED

9.403_Band-Edge_LTE Band_4_Channel_high_20350_UL_1750 MHz

Common information	
Test Description	Band-Edge high - Radiated Spurious Emissions LTE Band 4
Test Site Location	CETECOM GmbH Essen
Test Site	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Operation Mode	LTE_FDD_Band_4_channel_20350_RB_1_start_RB_Low_BW_10MHz_mod_QPSK
Environmental Conditions	Humidity : 55% rH; Temperature: 20 °C
Operator	Aho
Verdict	PASSED
Test Completed	17.09.2020 14:34:22
EUT information	
PMT sample No	18-1-01732S32_C01

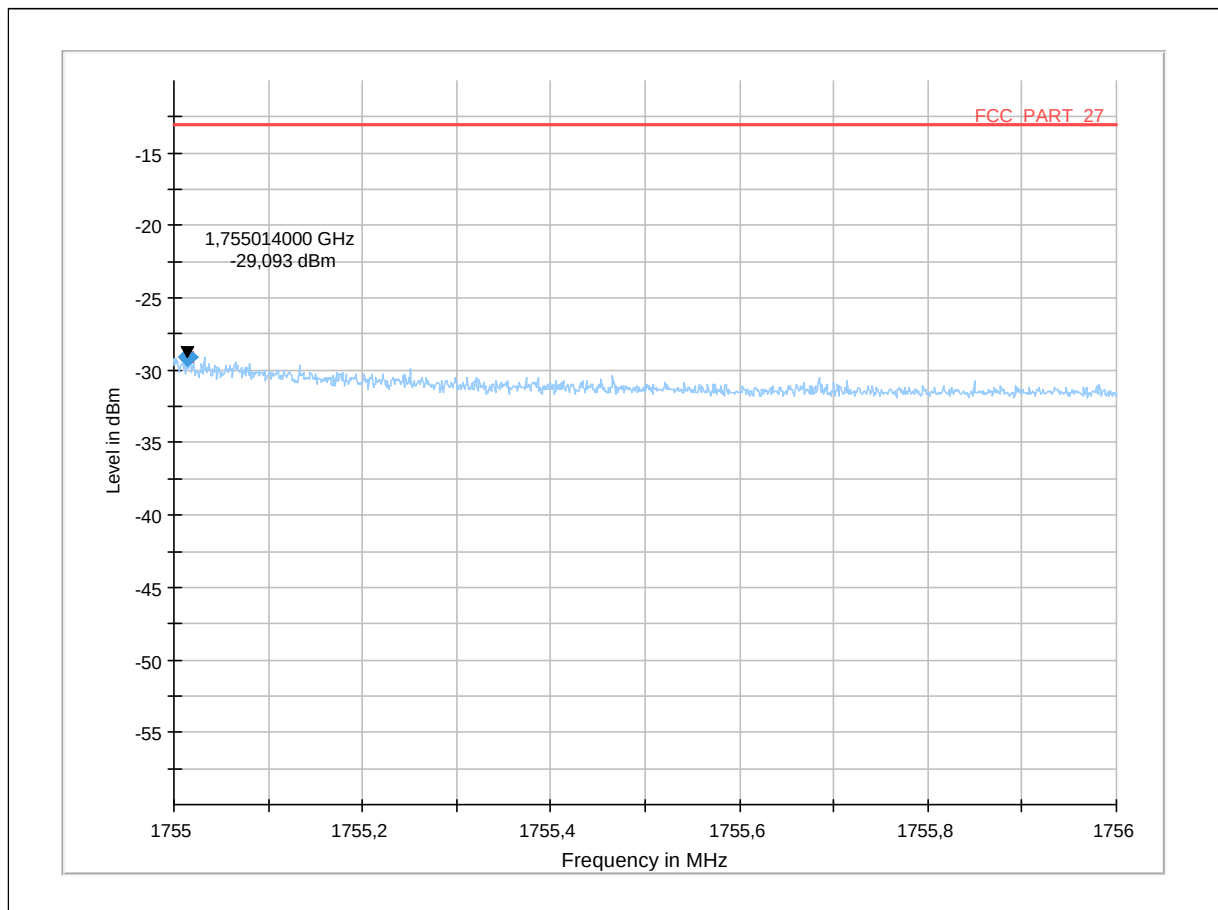


RMS

Frequency [MHz]	RMS [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Elevation [deg]	Results
1755.078	-30.98	-13	17.98	155	H	304	0	PASSED

9.404_Band-Edge_LTE Band_4_Channel_high_20350_UL_1750 MHz

Common information	
Test Description	Band-Edge high - Radiated Spurious Emissions LTE Band 4
Test Site Location	CETECOM GmbH Essen
Test Site	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Operation Mode	LTE_FDD_Band_4_channel_20350_RB_100%_BW_10MHz_mod_QPSK
Environmental Conditions	Humidity : 53% rH; Temperature: 20 °C
Operator	Aho
Verdict	PASSED
Test Completed	17.09.2020 14:24:15
EUT information	
PMT sample No	18-1-01732S32_C01

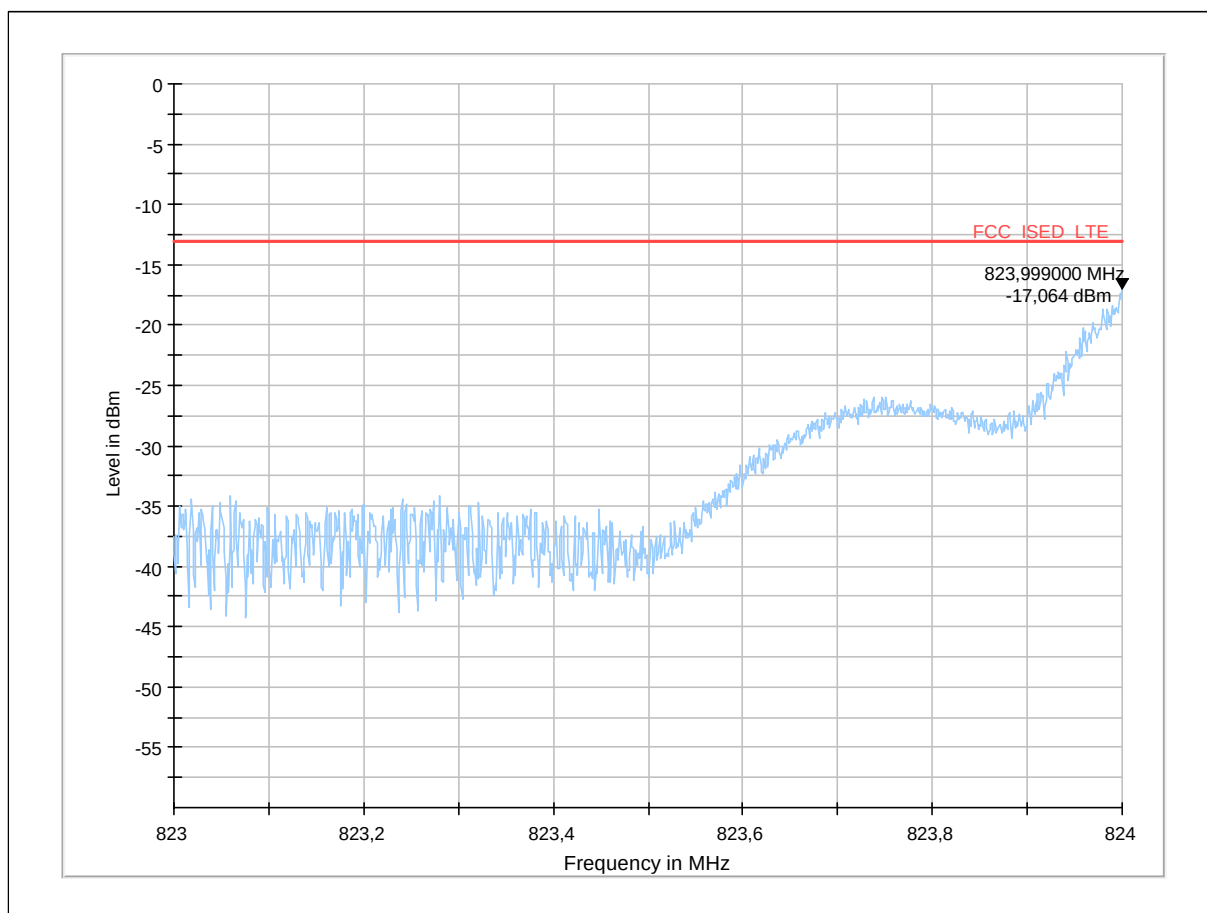


RMS

Frequency [MHz]	RMS [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Elevation [deg]	Results
1755.014	-29.09	-13	16.09	155	H	355	0	PASSED

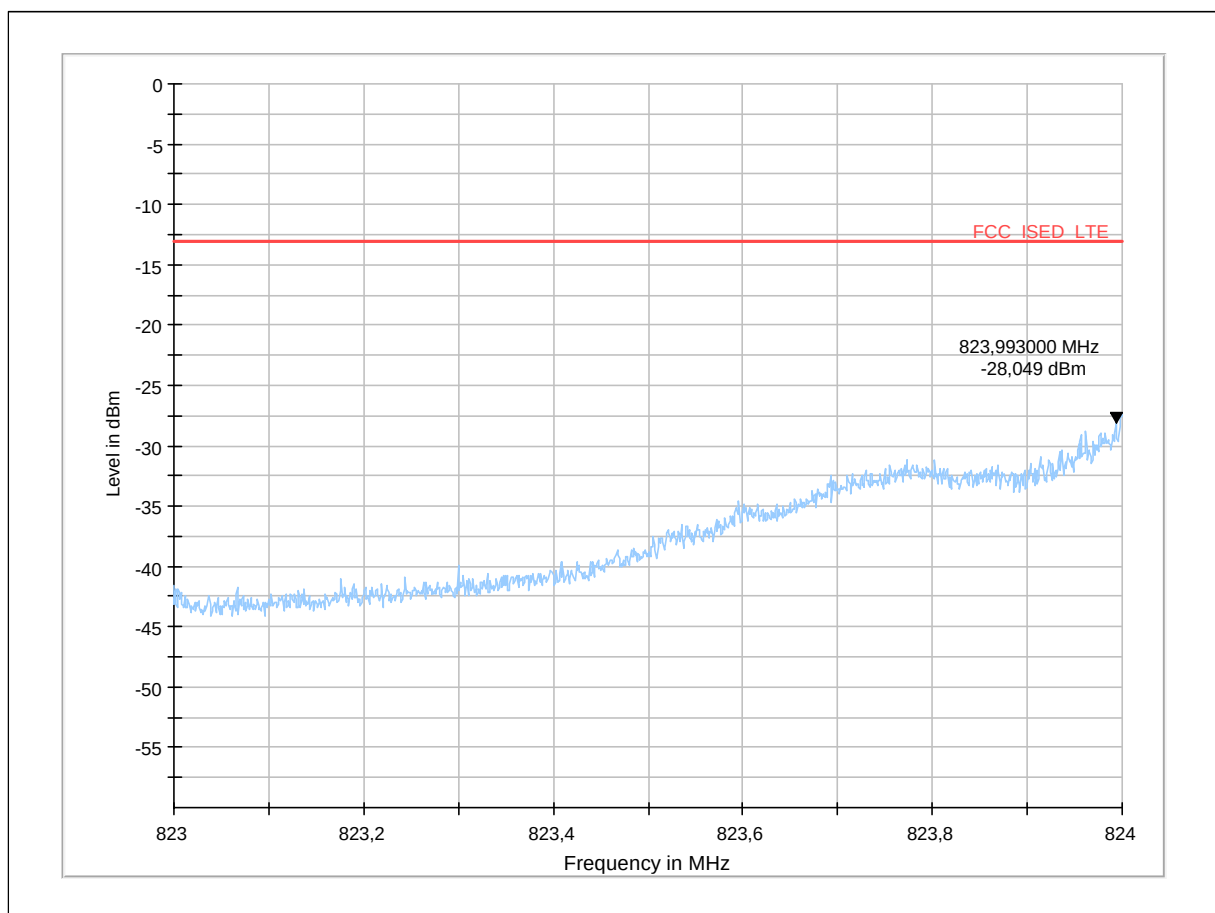
9.501_Band-Edge_LTE Band_5_Channel_low_20415_UL_825.5MHz

Common information	
Test Description	Band-Edge low - Radiated Spurious Emissions LTE Band 5
Test Site Location	CETECOM GmbH Essen
Test Site	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Operation Mode	LTE_FDD_Band_5_channel_20415_RB_1_start_RB_Low_BW_3MHz_mod_QPSK
Environmental Conditions	Humidity : 55% rH; Temperature: 20 °C
Operator	Aho
Verdict	PASSED
Test Completed	17.09.2020 15:12:10
EUT information	
PMT sample No	18-1-01732S32_C01



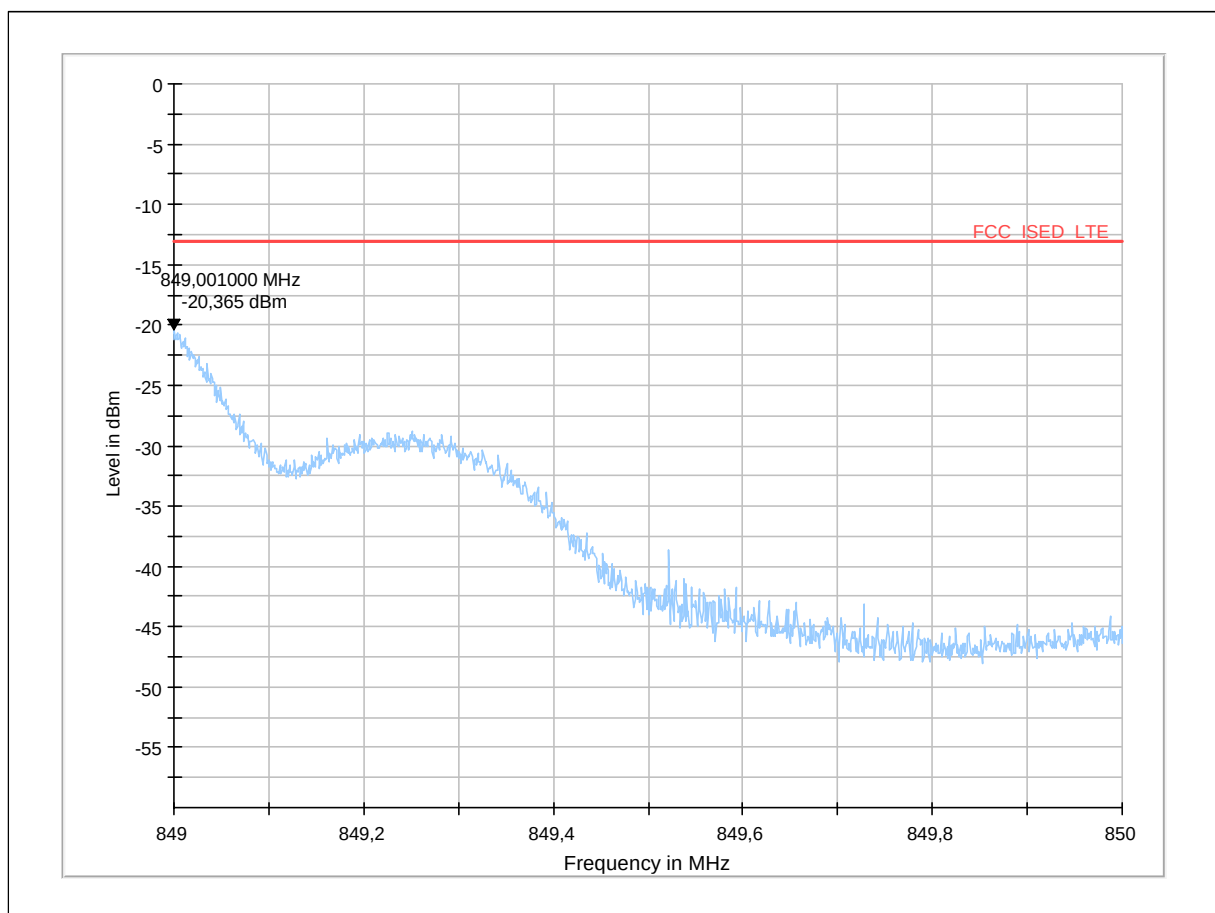
9.502_Band-Edge_LTE Band_5_Channel_low_20415_UL_825.5MHz

Common information	
Test Description	Band-Edge low - Radiated Spurious Emissions LTE Band 5
Test Site Location	CETECOM GmbH Essen
Test Site	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Operation Mode	LTE_FDD_Band_5_channel_20415_RB_100%_BW_3MHz_mod_QPSK
Environmental Conditions	Humidity : 55% rH; Temperature: 20 °C
Operator	Aho
Verdict	PASSED
Test Completed	17.09.2020 15:27:42
EUT information	
PMT sample No	18-1-01732S32_C01



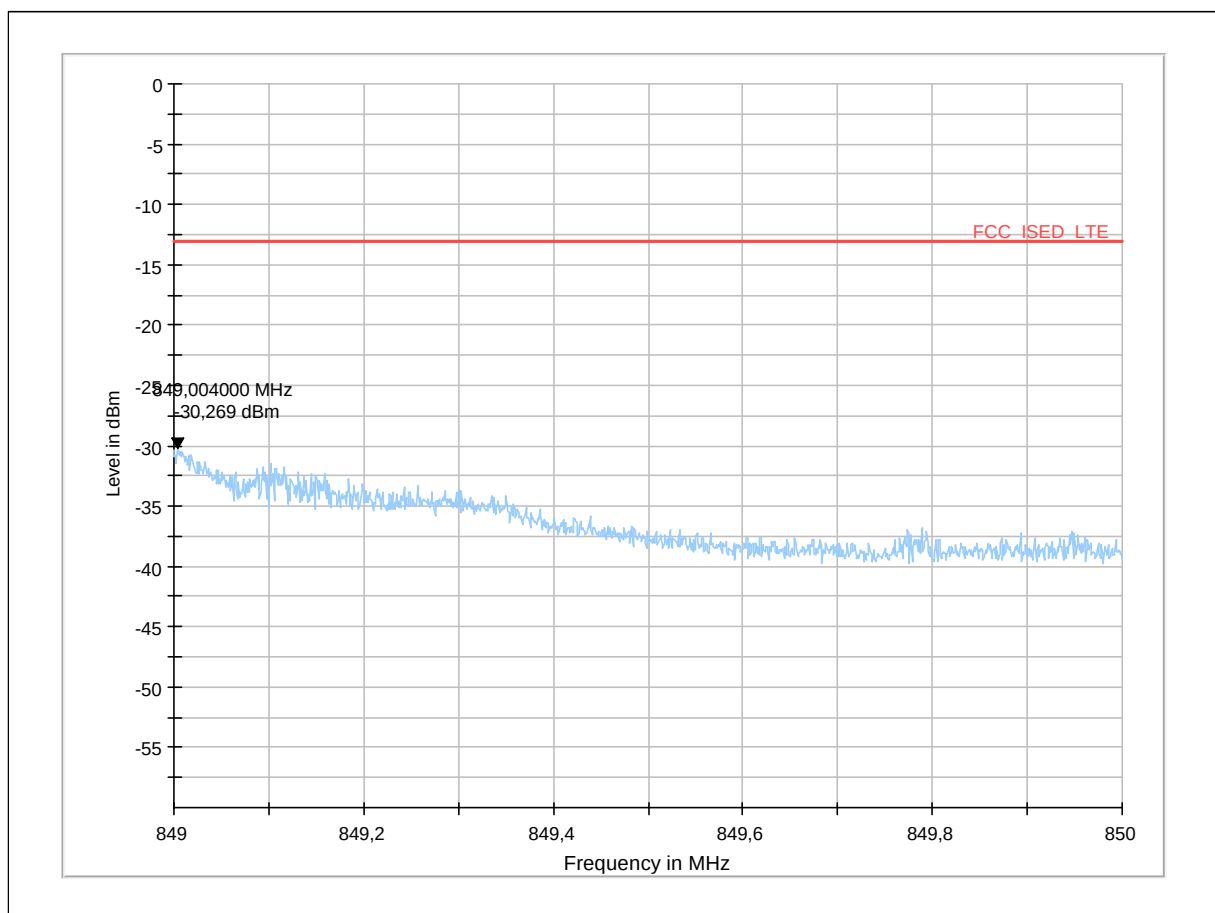
9.503_Band-Edge_LTE Band_5_Channel_high_20635_UL_847.5 MHz

Common information	
Test Description	Band-Edge low - Radiated Spurious Emissions LTE Band 5
Test Site Location	CETECOM GmbH Essen
Test Site	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Operation Mode	LTE_FDD_Band_5_channel_20635_RB_1_start_RB_High_BW_3MHz_mod_QPSK
Environmental Conditions	Humidity : 55% rH; Temperature: 20 °C
Operator	Aho
Verdict	PASSED
Test Completed	17.09.2020 15:51:20
EUT information	
PMT sample No	18-1-01732S32_C01



9.504_Band-Edge_LTE Band_5_Channel_high_20635_UL_847.5 MHz

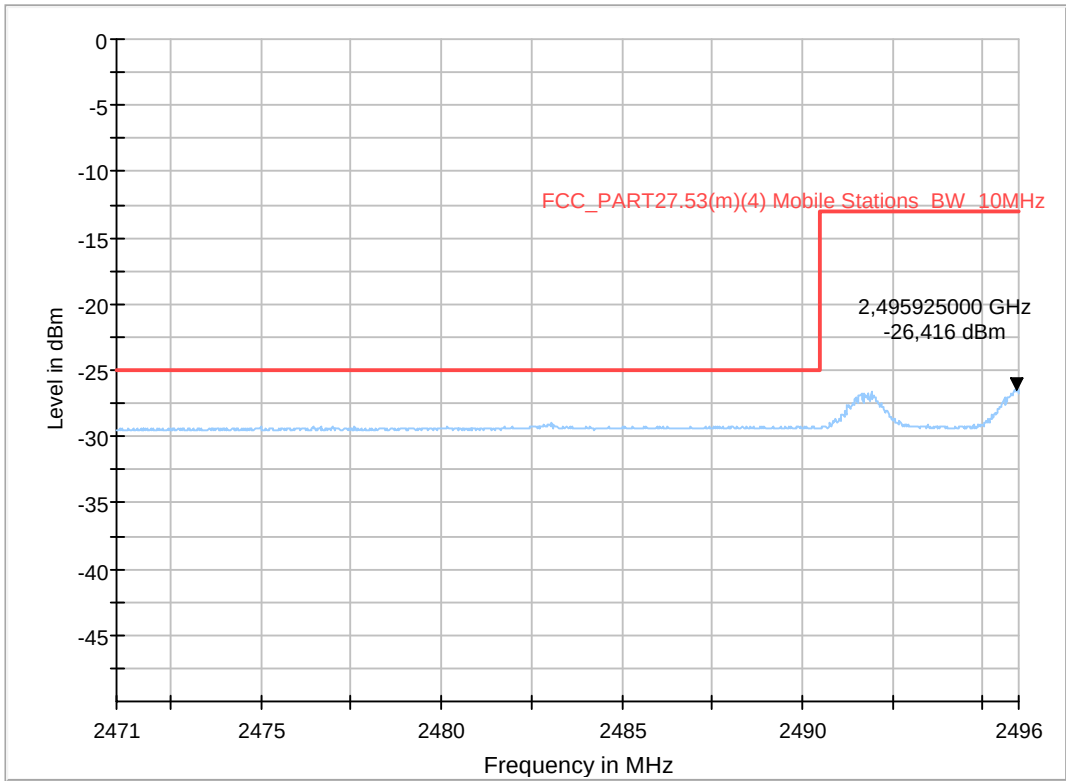
Common information	
Test Description	Band-Edge low - Radiated Spurious Emissions LTE Band 5
Test Site Location	CETECOM GmbH Essen
Test Site	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Operation Mode	LTE_FDD_Band_5_channel_20635_RB_15_100%_BW_3MHz_mod_QPSK
Environmental Conditions	Humidity : 55% rH; Temperature: 21 °C
Operator	Aho
Verdict	PASSED
Test Completed	17.09.2020 15:41:02
EUT information	
PMT sample No	18-1-01732S32_C01



9.701_Band-Edge_LTE Band_7_Channel_low_20800_UL_2505.5MHz

Common information	
Test Description	Band-Edge low - Radiated Spurious Emissions LTE Band 7
Test Site Location	CETECOM GmbH Essen
Test Site	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Operation Mode	LTE_FDD_Band_7_channel_20800_RB_1_start RB_low_BW_10MHz_mod_QPSK
Environmental Conditions	Humidity : 57% rH; Temperature: 20 °C
Operator	Aho
Verdict	PASSED
Test Completed	07.10.2020 14:30:02
EUT information	
PMT sample No	18-1-01732S32_C01

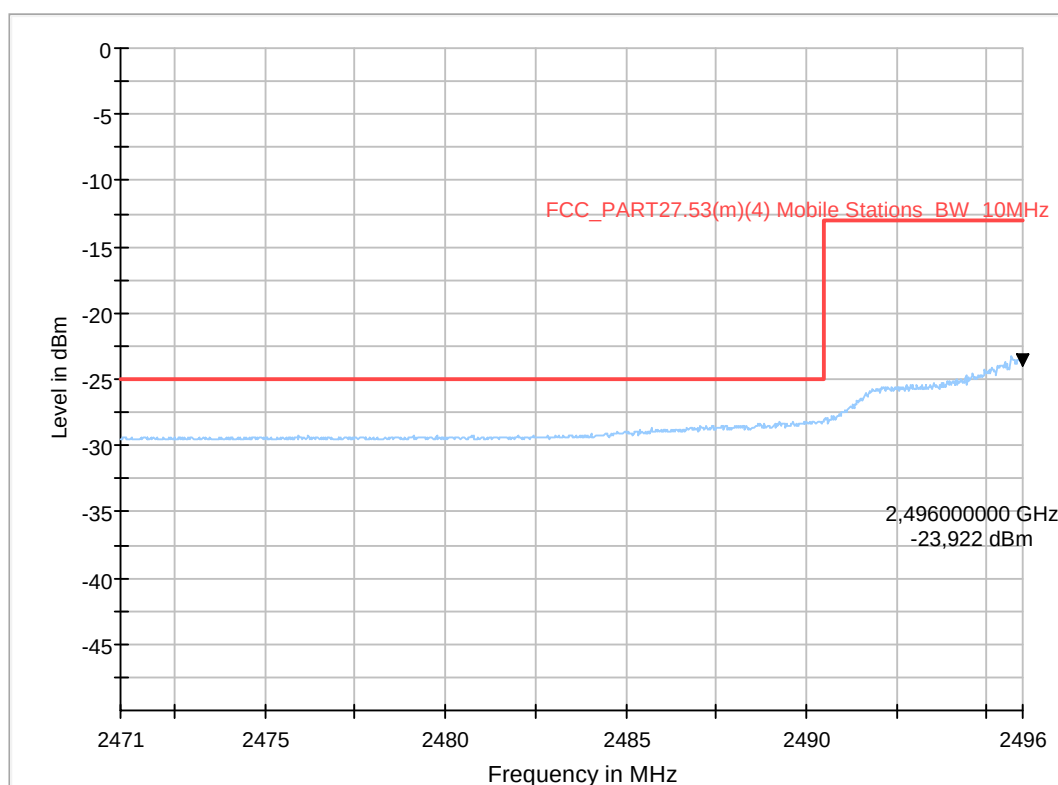
Full Spectrum



9.702_Band-Edge_LTE Band_7_Channel_low_20800_UL_2505.5MHz

Common information	
Test Description	Band-Edge low - Radiated Spurious Emissions LTE Band 7
Test Site Location	CETECOM GmbH Essen
Test Site	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Operation Mode	LTE_FDD_Band_7_channel_20800_RB_100%_BW_10MHz_mod_QPSK
Environmental Conditions	Humidity : 57% rH; Temperature: 20 °C
Operator	Aho
Verdict	PASSED
Test Completed	07.10.2020 12:43:02
EUT information	
PMT sample No	18-1-01732S32_C01

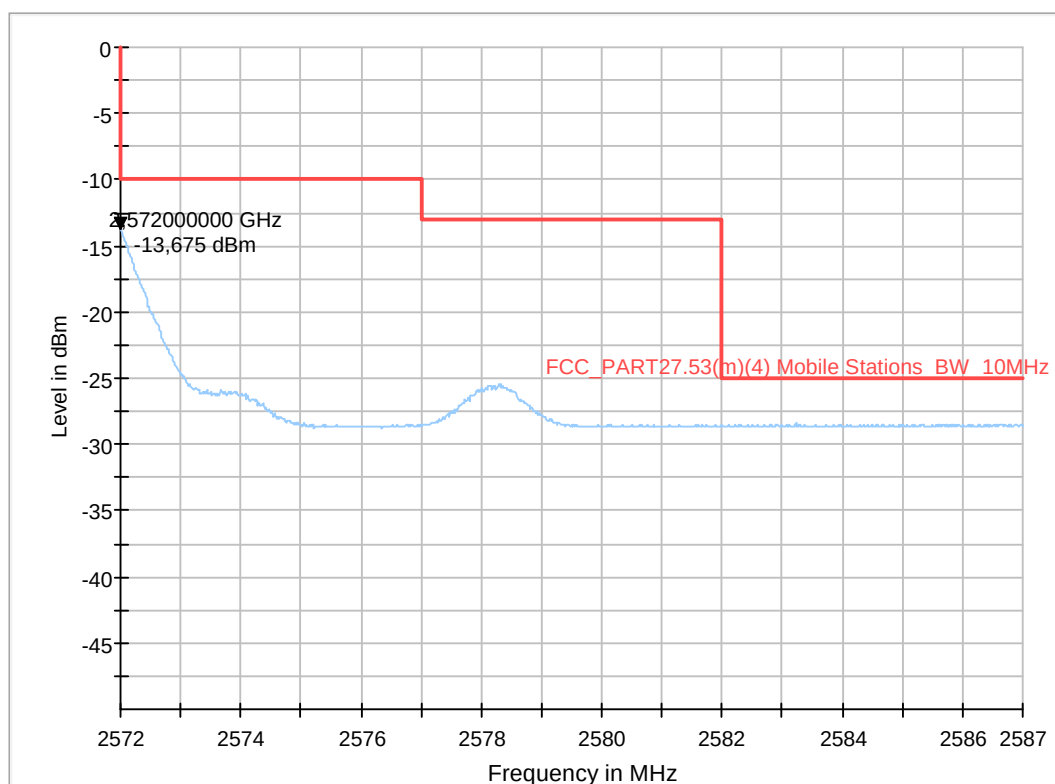
Full Spectrum



9.703_Band-Edge_LTE Band_7_Channel_high_21400_UL_2565.0 MHz

Common information	
Test Description	Band-Edge low - Radiated Spurious Emissions LTE Band 7
Test Site Location	CETECOM GmbH Essen
Test Site	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Operation Mode	LTE_FDD_Band_7_channel_21400_RB_1_start_RB_high_10MHz_mod_QPSK
Environmental Conditions	Humidity : 57% rH; Temperature: 20 °C
Operator	Aho
Verdict	PASSED
Test Completed	07.10.2020 11:35:05
EUT information	
PMT sample No	18-1-01732S32_C01

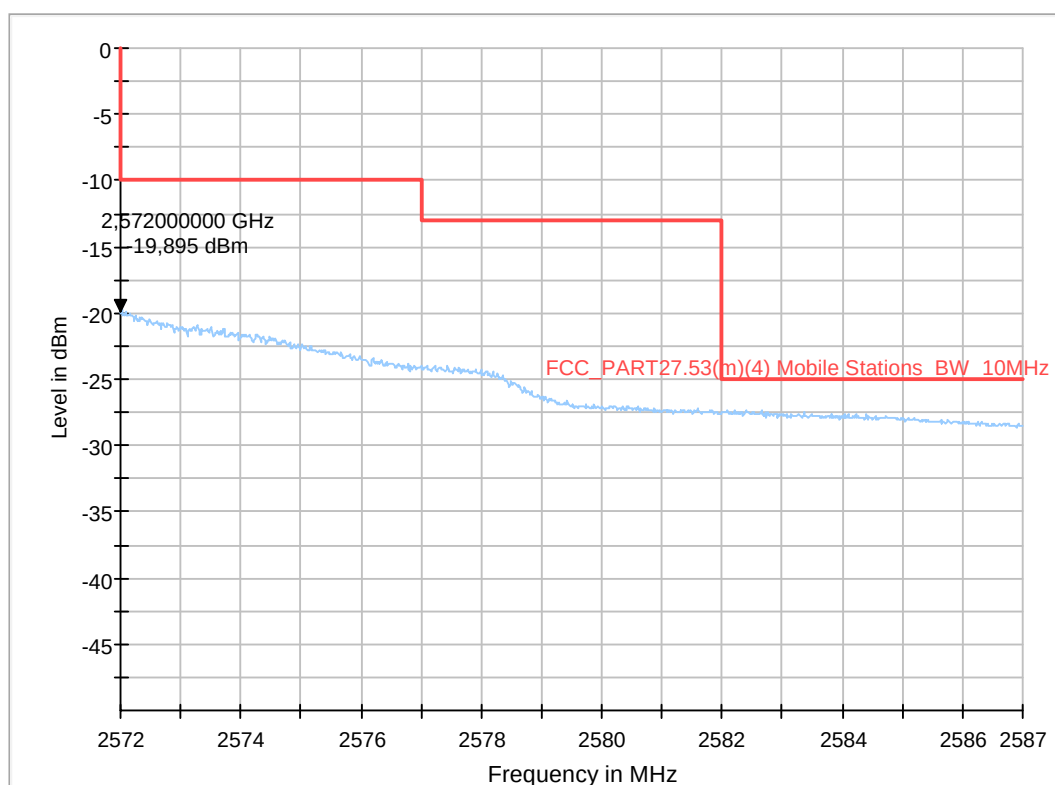
Full Spectrum



9.704_Band-Edge_LTE Band_7_Channel_high_21400_UL_2565.0 MHz

Common information	
Test Description	Band-Edge low - Radiated Spurious Emissions LTE Band 7
Test Site Location	CETECOM GmbH Essen
Test Site	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Operation Mode	LTE_FDD_Band_7_channel_21400_RB_100%_10MHz_mod_QPSK
Environmental Conditions	Humidity : 57% rH; Temperature: 20 °C
Operator	Aho
Verdict	PASSED
Test Completed	07.10.2020 11:52:12
EUT information	
PMT sample No	18-1-01732S32_C01

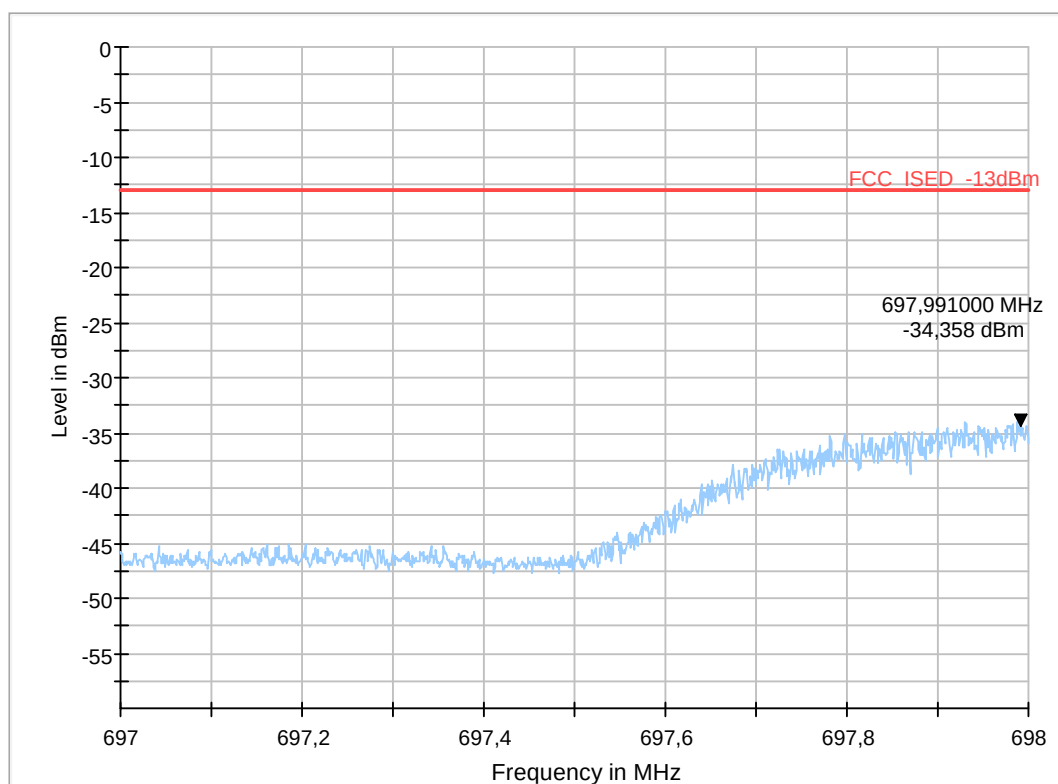
Full Spectrum



9.1201_Band-Edge_LTE Band_12_Channel_low_23025_UL_700.5MHz

Common information	
Test Description	Band-Edge low - Radiated Spurious Emissions LTE Band 12
Test Site Location	CETECOM GmbH Essen
Test Site	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Operation Mode	LTE_FDD_Band_12_channel_23025_RB_1_start RB_low_BW_3MHz_mod_QPSK
Environmental Conditions	Humidity : 57% rH; Temperature: 20 °C
Operator	Aho
Verdict	PASSED
Test Completed	07.10.2020 13:05:04
EUT information	
PMT sample No	18-1-01732S32_C01

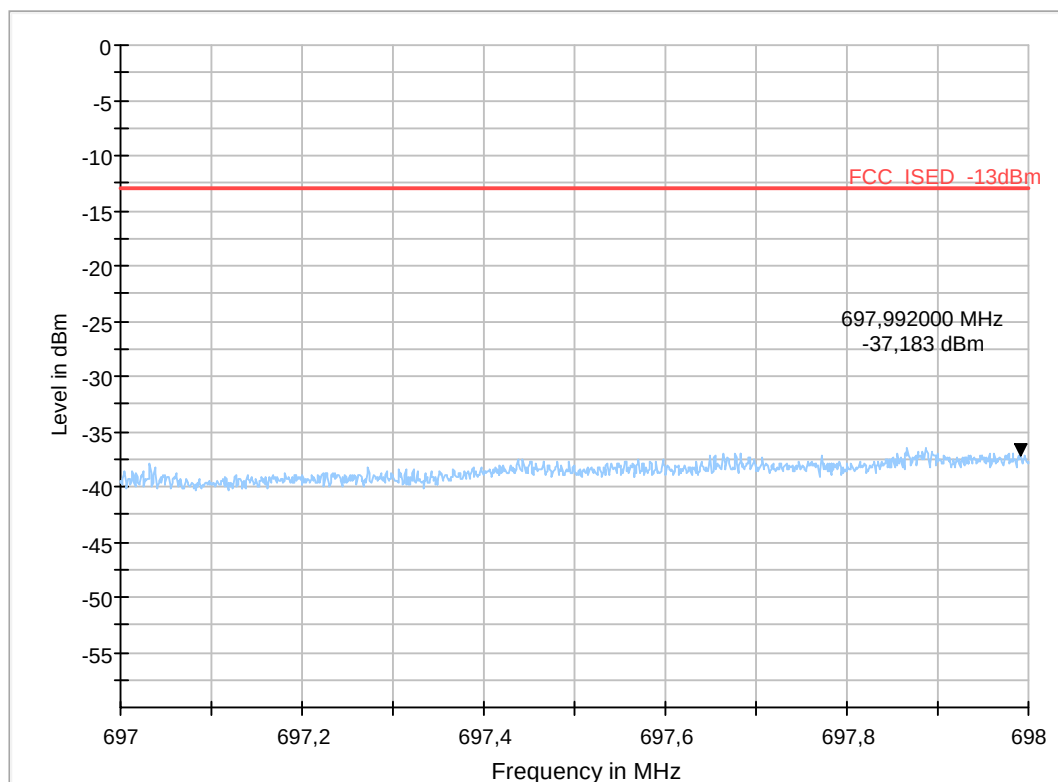
Full Spectrum



9.1202_Band-Edge_LTE Band_12_Channel_low_23025_UL_700.5MHz

Common information	
Test Description	Band-Edge low - Radiated Spurious Emissions LTE Band 12
Test Site Location	CETECOM GmbH Essen
Test Site	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Operation Mode	LTE_FDD_Band_12_channel_23025_RB_100%_BW_3MHz_mod_QPSK
Environmental Conditions	Humidity : 57% rH; Temperature: 20 °C
Operator	Aho
Verdict	PASSED
Test Completed	07.10.2020 13:05:04
EUT information	
PMT sample No	18-1-01732S32_C01

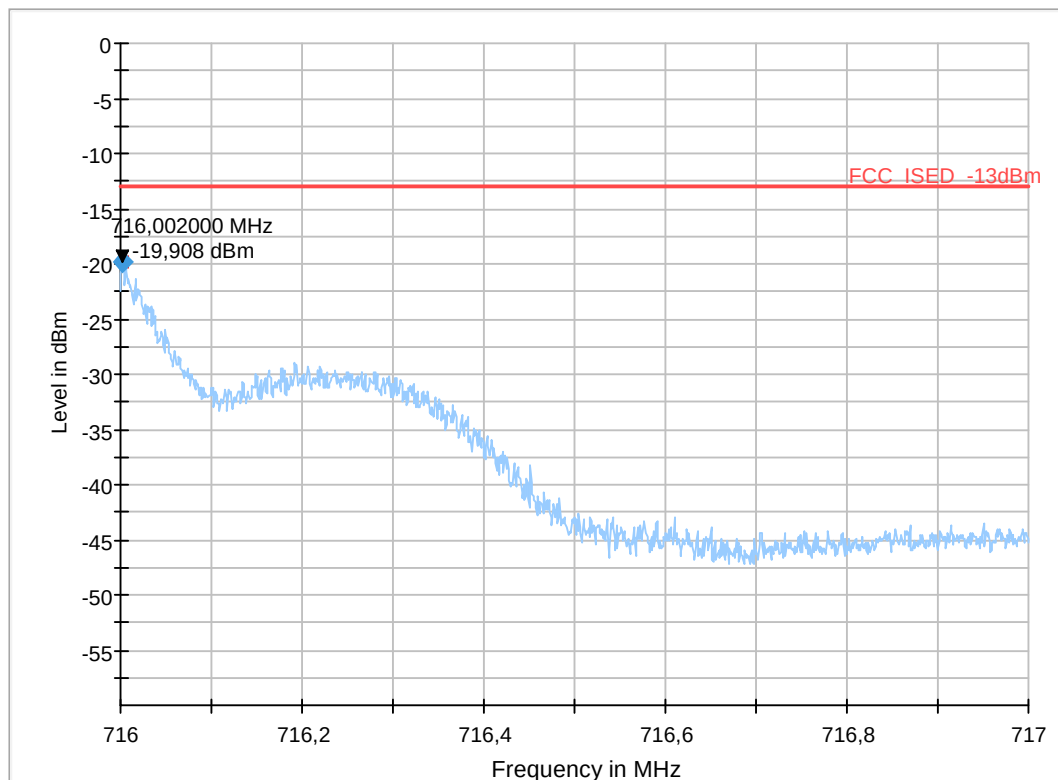
Full Spectrum



9.1203_Band-Edge_LTE Band_12_Channel_high_23165_UL_714.5 MHz

Common information	
Test Description	Band-Edge low - Radiated Spurious Emissions LTE Band 12
Test Site Location	CETECOM GmbH Essen
Test Site	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Operation Mode	LTE_FDD_Band_12_channel_23165_RB_1_start RB_high_BW_3MHz_mod_QPSK
Environmental Conditions	Humidity : 57% rH; Temperature: 20 °C
Operator	Aho
Verdict	PASSED
Test Completed	07.10.2020 13:05:04
EUT information	
PMT sample No	18-1-01732532_C01

Full Spectrum



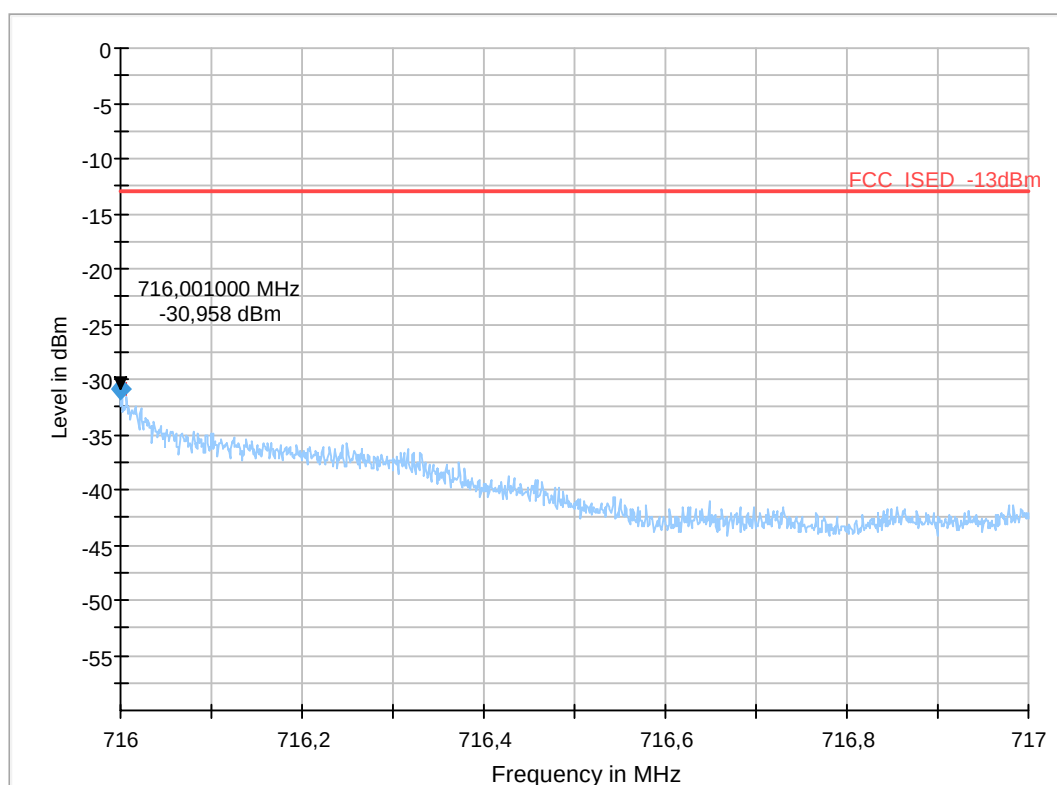
Final Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
716.002000	-19.91	-13.00	6.91	700.0	30.000	H	195.0	0.0	-76

9.1204_Band-Edge_LTE Band_12_Channel_high_23165_UL_714.5 MHz

Common information	
Test Description	Band-Edge low - Radiated Spurious Emissions LTE Band 12
Test Site Location	CETECOM GmbH Essen
Test Site	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Operation Mode	LTE_FDD_Band_12_channel_23165_RB_100%_BW_3MHz_mod_QPSK
Environmental Conditions	Humidity : 57% rH; Temperature: 20 °C
Operator	Aho
Verdict	PASSED
Test Completed	07.10.2020 13:05:04
EUT information	
PMT sample No	18-1-01732532_C01

Full Spectrum



Final Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
716.001000	-30.96	-13.00	17.96	700.0	30.000	H	179.0	0.0	-76

End of Annex 1